

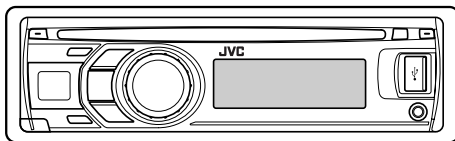
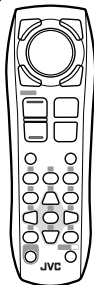
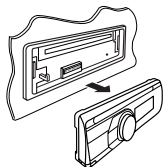
JVC



DVD/CD RECEIVER

KD-DV5506/ KD-DV5505/KD-DV5504

MP3 WMA WAV



For canceling the display demonstration, see page 10.

For installation and connections, refer to the separate manual.

INSTRUCTIONS

GET0606-001A
[U/UN/UT/A/UI]

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN, DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT, NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO, NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING KLASS 1M NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視 及び/または不可視 のクラス1M レーザー放射が 出ます。 光学装置で直接 見ないでください。 (JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN, DO NOT STARE INTO BEAM. FDA 21 CFR (ENG)



[European Union only]

For safety...

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

This mark is used to indicate...



Turn the control dial to make a selection, then press to confirm the selection.

Temperature inside the car...

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

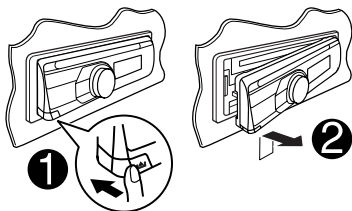
Caution on volume setting:

Digital devices (CD/USB) produce very little noise compared with other sources. Lower the volume before playing these digital sources to avoid damaging the speakers by sudden increase of the output level.

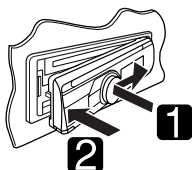
Indication language:

In this manual, English indications are used for purposes of explanation. You can select the indication language on the monitor on the "LANGUAGE" setting (see page 42).

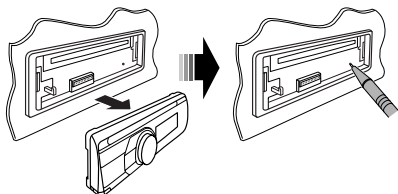
■ Detaching the control panel



■ Attaching the control panel

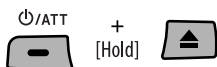


■ How to reset your unit



- Your preset adjustments will also be erased (except the registered Bluetooth device, see page 24).

■ How to forcibly eject a disc



- You can forcibly eject the loaded disc even if the disc is locked. To lock/unlock the disc, see page 13.
- Be careful not to drop the disc when it ejects.
- If this does not work, reset your unit.

WARNINGS:

(To prevent accidents and damage)

- DO NOT install any unit or wire any cable in a location where;
 - it may obstruct the steering wheel and gearshift lever operations.
 - it may obstruct the operation of safety devices such as air bags.
 - it may obstruct visibility.
- DO NOT operate the unit while driving.
- If you need to operate the unit while driving, be sure to look around carefully.
- The driver must not watch the monitor while driving.

If the parking brake is not engaged, "DRIVER MUST NOT WATCH THE MONITOR WHILE DRIVING." appears on the monitor, and no playback picture will be shown.

- This warning appears only when the parking brake lead is connected to the parking brake system built in the car (refer to the Installation/Connection Manual).

Playable disc type

Disc type	Recording format, file type, etc	Playable
DVD	DVD-Video * ¹ Region Code: South East Asia, Hong Kong region: 3 Australia: 4 India: 5 Ex.: 	✓OK
	DVD-Audio/DVD-ROM	✗NO
DVD Recordable/Rewritable (DVD-R/-RW *², +R/+RW *³) • DVD Video: UDF bridge • DVD-VR • DivX/MPEG-1/MPEG-2/MP3/ WMA/WAV: ISO 9660 level 1, level 2, Romeo, Joliet	DVD-Video	✓OK
	DVD-VR	
	DivX/MPEG1/MPEG2	
	MP3/WMA/WAV	
	AAC/JPEG/MPEG4/DVD+VR/DVD-RAM	✗NO
Dual Disc	DVD side	✓OK
	Non-DVD side	✗NO
CD/VCD	Audio CD/CD Text (CD-DA)	✓OK
	VCD (Video CD)	
	DTS-CD/SVCD (Super Video CD)/CD-ROM/ CD-I (CD-I Ready)	✗NO
CD Recordable/Rewritable (CD-R/-RW) • ISO 9660 level 1, level 2, Romeo, Joliet	CD-DA	✓OK
	VCD (Video CD)	
	DivX/MPEG1/MPEG2	
	MP3/WMA/WAV	
	AAC/JPEG/MPEG4	✗NO

*¹ If you insert a DVD Video disc of an incorrect Region Code, "REGION CODE ERROR" appears on the monitor.

*² DVD-R recorded in multi-border format is also playable (except for dual layer discs). DVD-RW dual layer discs are not playable.

*³ It is possible to play back finalized +R/+RW (Video format only) discs. +RW double layer discs are not playable.

Caution for DualDisc playback

The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

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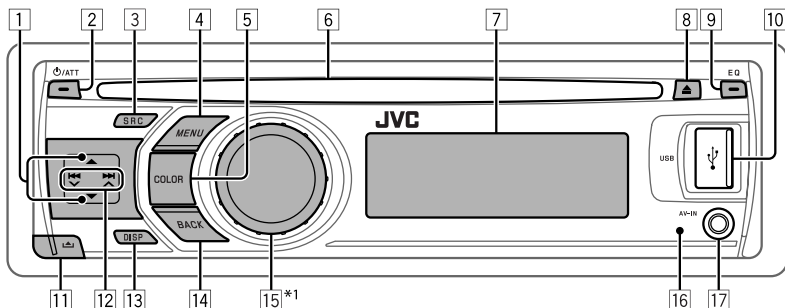
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Basic operations

Using the control panel

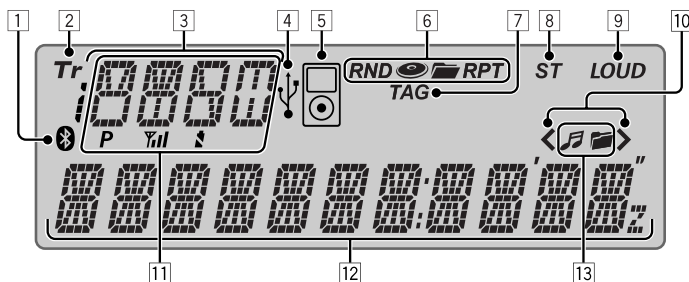


- 1 • **FM/AM:** Select preset station.
- **DISC:** Select title/program/playlist/folder.
- **CD-CH:** Select folder.
- **IPOD:** Enter the main menu/Pause playback^{*2}/Confirm selection.
- **BT-PHONE/BT-AUDIO:** Enter/go back to previous Bluetooth menu.
- 2 • Turn on the power.
- Attenuate the sound (if the power is on).
- Turn off the power [Hold].
- 3 • Select the source.
FM → AM^{*3} → DISC^{*4} → USB^{*4}/USB (iPod)^{*4, *5} → CD-CH^{*4}/IPOD^{*4} (or EXT INPUT) → BT-PHONE^{*4} → BT-AUDIO^{*4} → LINE IN → AV IN^{*3} → (back to the beginning)
- Enter "DIAL" menu if a Bluetooth phone is connected [Hold].
- 4 • Enter list operations.
- Enter Menu setting [Hold].
- **USB (iPod):** Enter the main menu.
- 5 Select the display and button illumination color.
- 6 Loading slot
- 7 Display window
- 8 Eject disc.
- 9 Select the sound mode.
- 10 USB (Universal Serial Bus) input terminal
- 11 Detach the panel.
- 12 • **FM/AM:** Search for station.
- **DISC/USB/iPod:** Select chapter/track.
- **CD-CH/IPOD:** Select track.
- **BT-PHONE/BT-AUDIO:** Select setting item/registered device.
- 13 • Change the display information (if the power is turned on).
- Check the current clock time (if the power is turned off).^{*6}
- 14 • Return to the previous menu.
- **USB (iPod):** Switch the setting between <HEAD MODE> and <IPOD MODE>^{*7} [Hold].
- 15 • Control the volume^{*2} or select items [Turn].
- Confirm the selection [Press].
- **FM:** Enter SSM preset mode [Hold].
- **DISC/USB/iPod:** Pause/resume playback^{*2} [Press].
- **DISC/USB/iPod/CD-CH/IPOD:** Enter playback mode [Hold].
- **BT-PHONE:** Adjust the volume [Turn].
- 16 Remote sensor
- 17 AV-IN (audio/video) input jack

^{*1} — ^{*7}: See page 7.

- *1 Also known as "Control dial" in this manual.
- *2 You can still adjust the volume during pause when the selected source is "DISC/USB/USB (iPod)/IPOD." Before resume playback, check to be sure that you have not raise the volume level too much.
- *3 You cannot select these sources if they were disabled in the Menu (see <SRC SELECT> in "Menu operations" on page 39).
- *4 You cannot select these sources if they are not ready or not connected.
- *5 When connecting the iPod/iPhone to the USB input jack for the first time, "USB" appears on the display first, then "iPod" appears on the top left corner of the display.
- *6 The current clock time is displayed if <CLOCK DISP> is set to <CLOCK OFF> (see page 37).
- *7 You can use this function only when <IPOD MODE> is available for the connected iPod (see page 47).

Display window

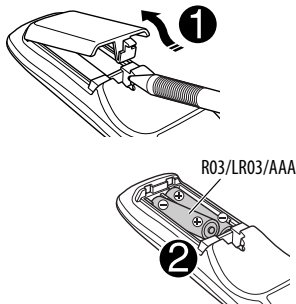


- | | |
|--|--|
| <ul style="list-style-type: none"> 1 Bluetooth indicator 2 Tr (track) indicator 3 Source display / Disc number / Track number / Folder number / Title number / PBC indicator / Time countdown indicator / Setting and list operation information 4 USB indicator 5 iPod indicator 6 Playback mode / item indicators— RND (random), disc icon, folder icon, RPT (repeat) 7 TAG (Tag information) indicator 8 ST (stereo) indicator 9 LOUD (loudness) indicator | <ul style="list-style-type: none"> 10 Menu hierarchy position indicator— < (bottom), > (top), < > (middle) 11 Status of Bluetooth device (Device number, [P : 1 – 5]; signal strength, [Yil : 0 – 3]*; battery reminder, [S : 0 – 3]*) 12 Main display 13 Disc/device information indicators— track/file icon, folder icon |
|--|--|

* As the number increases, the signal/battery power becomes stronger.

Using the remote controller (RM-RK255)

Installing the batteries



Insert the batteries into the remote controller by matching the polarity (+ and -) correctly.

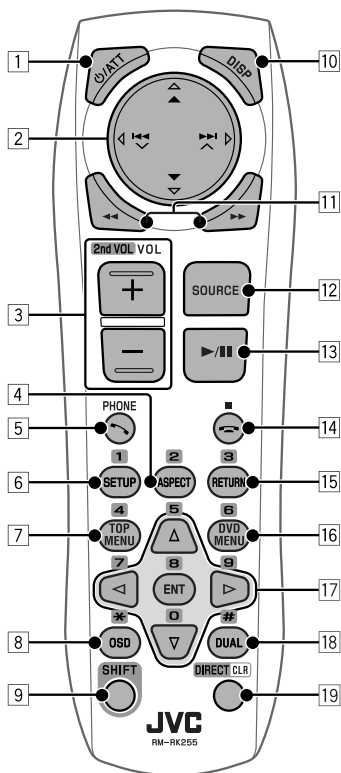
Caution:

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

If the effectiveness of the remote controller decreases, replace the batteries.

Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the unit.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).



1 **⏻/ATT button**

- Turns the power on if pressed briefly or attenuates the sound when the power is on.
- Turns the power off if pressed and held.

2 **▲/▼ buttons**

- **FM/AM:** Selects the preset stations.
- **DISC:**
 - DVD-Video: Selects the title.
 - DVD-VR: Selects the program/playlist.
 - DivX/MPEG Video/MP3/WMA/WAV: Selects the folders if included.
- **USB:**
 - MPEG Video/MP3/WMA/WAV: Selects the folders if included.

- **IPOD:**
 - ▲ : Enters the main menu (then ▲/▼/◀▶/▶▶/▶▶▶▶ work as menu selecting buttons.)
 - ▲ : Returns to the previous menu.
 - ▼ : Confirms the selection.
 - ▼ : Pauses or resumes playback.
 - **BT-PHONE/BT-AUDIO:** Enter the Bluetooth menu.
 - ◀▶▶▶▶▶/▶▶▶▶▶▶ **buttons**
 - **FM/AM:**
 - Searches for stations automatically if pressed briefly.
 - Searches for stations manually if pressed and held.
 - **DISC/USB/USB (iPod)/CD-CH:**
 - Reverse skip/forward skip if pressed briefly.
 - Reverse search/forward search if pressed and held.
 - **IPOD:**
 - Reverse skip/forward skip if pressed briefly.
 - Reverse search/forward search if pressed and held.

In menu selecting mode:

 - Selects an item if pressed briefly. (Then, press ▼ to confirm the selection.)
 - Skips 10 items at a time if pressed and held.
 - **BT-AUDIO:**
 - Reverse skip/forward skip if pressed briefly.
- [3] **VOL (volume) + / – buttons**
- Adjusts the volume level.
- 2nd VOL (volume) buttons**
- Not applicable for this unit.
- [4]* **ASPECT button**
- Not applicable for this unit.
- [5] **PHONE button**
- Answers incoming calls.
 - Enters "DIAL" menu when a Bluetooth phone is connected.
 - Enters "REDIAL" menu when a Bluetooth phone is connected [Hold].
- [6]* **SETUP button**
- Enters disc setup menu (during stop).
- [7]* **TOP MENU button**
- DVD-Video: Shows the disc menu.
 - DVD-VR: Shows the Original Program screen.
 - VCD: Resumes PBC playback.
 - **USB (iPod):** Enters the search mode menu.
- [8]* **OSD (on-screen display) button**
- Shows the on-screen bar.
- [9] **SHIFT button**
- Functions with other buttons.
- [10] **DISP (display) button**
- Changes the display information (if the power is turned on).
 - Checks the current clock time (if the power is turned off).
- [11] **◀◀/▶▶ buttons**
- DVD-Video: Slow motion playback (during pause).
 - DVD-VR/VCD: Forward slow motion playback (during pause).
 - DivX/MPEG Video/MP3/WMA/WAV/USB/USB (iPod): Reverse search/forward search.
- [12] **SOURCE button**
- Selects the source.
- [13] **▶ (play) / II (pause) button**
- **DISC/USB/USB (iPod)/BT-AUDIO:** Starts/ pauses playback.
 - **BT-PHONE:** Answers incoming calls.
 - **BT-AUDIO:** Starts playback.
- [14] **☎ (end call) button**
- Ends the call.
- (stop) buttons**
- **DISC/USB/USB (iPod)/BT-AUDIO:** Stops playback.
- [15]* **RETURN button**
- **VCD:** Returns to the PBC menu.
 - **USB (iPod):** Returns to Control Screen.

Continued on the next page

16* DVD MENU button

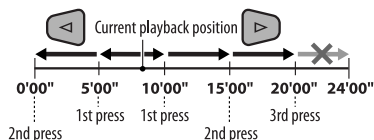
- DVD-Video: Shows the disc menu.
- DVD-VR: Shows the Playlist screen.
- VCD: Resumes PBC playback.
- **USB (iPod)**: Enters the search mode menu.

17* Δ/∇ buttons

- DVD-Video: Makes selection/settings.
- **CD-CH**: Changes discs in the magazine.

$\triangleleft/\triangleright$ buttons

- DVD-Video: Makes selection/settings.
- DivX/MPEG Video: Skips back or forward by about five minutes.



ENT (enter) button

- Confirms selection.

18* DUAL button

- Not applicable for this unit.

19 DIRECT button

- **DISC/USB**: Enters direct search mode for chapter/title/program/playlist/folder/track when pressed with SHIFT button (see page 17 for details).

CLR (clear) button

- **DISC/USB**: Erases the misentry when pressed with SHIFT button.

* Functions as number buttons/* (asterisk)/# (hatch) when pressed with SHIFT button.

- **DISC/USB**: Enters chapter/title/program/playlist/folder/track number after entering search mode by pressing SHIFT and DIRECT (see page 17 for details).

Preparation

■ Canceling the display demonstration and setting the clock

- See also page 37.

1	 ⏻/ATT	Turn on the power.
2	 [Hold] Press and hold until the main menu is called up.  [Turn] → [Press] • Repeat this procedure.	Cancel the display demonstrations Select <DEMO>, then <DEMO OFF>. Set the clock Select <CLOCK> → <CLOCK SET>. Adjust the hour, then press control dial once to proceed to adjust the minute. • To return to the previous menu, press BACK.

Listening to the radio

1		Select "FM" or "AM."
2		Search for a station to listen—Auto Search. When a station is tuned in, searching stops. To stop searching, press the same button again. - You can also search for a station manually—Manual Search. Hold either one of the buttons until "M" flashes on the display, then press it repeatedly. - When receiving an FM stereo broadcast with sufficient signal strength, the ST indicator lights up on the display.

Changing the display information



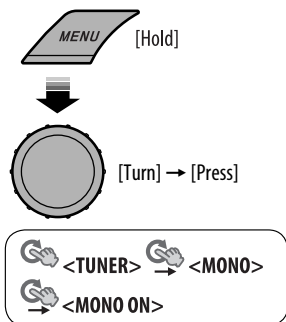
Frequency → Clock → Station name* → (back to the beginning)

* If no title is assigned to a station, "NO NAME" appears.
To assign a title to a station, see page 41.

Improving the FM reception

When an FM stereo broadcast is hard to receive, activate monaural mode for better reception.

• See also page 38.



Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure to select <MONO OFF>.

Storing stations in memory

Automatic presetting (FM)—SSM (Strong-station Sequential Memory)

You can preset up to 18 stations for FM.

1 While listening to a station...



2 Select the preset number range you want to store.



SSM 01–06 ↔ SSM 07–12 ↔ SSM 13–18

3



Local FM stations with the strongest signals are searched and stored automatically.

• **To stop searching**, press ◀◀ ◻ ▶▶ ▶▶.

To preset other 6 stations, repeat from step 1 again.

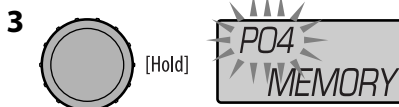
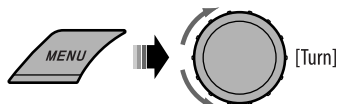
Manual presetting (FM/AM)

You can preset up to 18 stations for FM and 6 stations for AM.

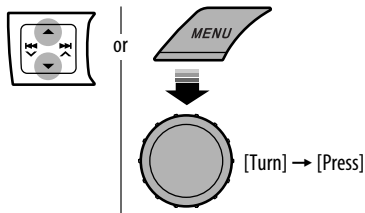
Ex.: Storing FM station of 92.50 MHz into preset number "04."



2 Select preset number "04."



Selecting preset station



Disc operations

Before performing any operations...

Turn on the monitor to watch the playback picture. If you turn on the monitor, you can also control playback of other discs by referring to the monitor screen. (See pages 18 – 21.)

The disc type is automatically detected, and playback starts automatically (for DVD: automatic start depends on its internal program).

If the current disc does not have any disc menu, all tracks will be played repeatedly until you change the source or eject the disc.

If "⊘" appears on the monitor when pressing a button, the unit cannot accept the operation you have tried to do.

- In some cases, without showing "⊘," operations will not be accepted.

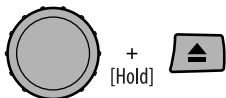
1		Turn on the power.
2		Insert a disc. All tracks will be played repeatedly until you change the source or eject the disc.

Stop playing and ejecting the disc



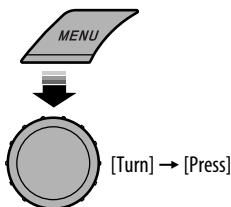
- "NO DISC" appears. Press SRC to listen to another playback source.

Prohibiting disc ejection



To cancel the prohibition, repeat the same procedure.

Selecting a track/folder (MP3/WMA/WAV/CD)



- For MP3/WMA/WAV discs, select the desired folder, then the desired track by repeating the control dial procedures.
- To return to the previous menu, press BACK.

Changing the display information



 DVD Video	Current chapter number and Elapsed playing time → Current chapter number and Clock → Current title and chapter number → (back to the beginning)
 DVD-VR	Current chapter number and Elapsed playing time → Current chapter number and Clock → Current program (or playlist) number and chapter number → (back to the beginning)
 DivX/MPEG	Elapsed playing time → Folder number and Clock → Folder name → Track title → (back to the beginning)
 VCD	Current track number and Elapsed playing time → Current track number and Clock → (back to the beginning)
 MP3/WMA/WAV	Current track number and Elapsed playing time → Current track number and Clock → Album name/performer (folder name* ¹) → Track title (file name* ¹) → (back to the beginning)
 CD	Current track number and Elapsed playing time → Current track number and Clock → Disc title/performer* ² → Track title* ² → (back to the beginning)

*¹ If the file does not have Tag information or <TAG DISPLAY> is set to <TAG OFF> (see page 38), folder name and file name appear. TAG indicator will not light up.

*² "NO NAME" appears for an audio CD.

Operations using the control panel

Pressing (or holding) the following buttons allows you to...

Disc type			
 DVD Video	[Press] Select chapter [Hold] Reverse/fast-forward chapter* ¹	Select title	[Press] Pause/resume playback
 DVD-VR	[Press] Select chapter [Hold] Reverse/fast-forward chapter* ¹	Select program number/ playlist number	[Press] Pause/resume playback
 DivX/MPEG	[Press] Select track [Hold] Reverse/fast-forward track* ²	Select folder	[Press] Pause/resume playback
 VCD	[Press] Select track [Hold] Reverse/fast-forward track* ¹	—	[Press] Pause/resume playback
 MP3/ WMA/WAV	[Press] Select track [Hold] Reverse/fast-forward track* ¹	Select folder	[Press] Pause/resume playback
 CD	[Press] Select track [Hold] Reverse/fast-forward track* ¹	—	[Press] Pause/resume playback

*¹ Search speed: $\times 2 \Rightarrow \times 10$

*² Search speed: $\blacktriangleright 1 \Rightarrow \blacktriangleright 2$

■ Selecting the playback modes

You can use only one of the following playback modes at a time.

1  [Hold]	2  [Turn] → [Press] REPEAT ↔ RANDOM	3  [Turn] → [Press]
--	--	--

Disc type	REPEAT	RANDOM
 DVD Video	CHAPTER RPT: Repeat current chapter TITLE RPT: Repeat current title	—
 DVD-VR	CHAPTER RPT: Repeat current chapter PROGRAM RPT: Repeat current program (not available for Playlist Playback)	—
 DivX/MPEG	TRACK RPT: Repeat current track FOLDER RPT: Repeat current folder	FOLDER RND: Randomly play all tracks of current folder, then tracks of next folders ALL RND: Randomly play all tracks
 VCD	TRACK RPT: Repeat current track (PBC not in use)	ALL RND: Randomly play all tracks (PBC not in use)
 MP3/WMA/WAV	TRACK RPT: Repeat current track FOLDER RPT: Repeat current folder	FOLDER RND: Randomly play all tracks of current folder, then tracks of next folders ALL RND: Randomly play all tracks
 CD	TRACK RPT: Repeat current track	ALL RND: Randomly play all tracks

- To cancel repeat play or random play, select “**RPT OFF**” or “**RND OFF**.”
- To return to the previous menu, press **BACK**.

Operations using the remote controller (RM-RK255)

Button	 DVD Video /  DVD-VR	 DivX/MPEG
	Stop play	Stop play
	Start play/Pause (if pressed during play)	Start play/Pause (if pressed during play)
	- Reverse/forward chapter search*¹ (No sound can be heard.) - Slow motion*² during pause (No sound can be heard.) – DVD-VR: Reverse slow motion does not work.	Reverse/forward track search* ⁴ (No sound can be heard.)
	[Press] Select chapter (during play or pause) [Hold] Reverse/fast-forward chapter search* ³	[Press] Select track [Hold] Reverse/fast-forward track search* ⁵ (No sound can be heard.)
	- DVD-Video: Select title (during play or pause) - DVD-VR: Select program Select playlist (during play or pause)	Select folder
	—	- Skip back or forward the scenes by about five minutes - Select chapter

*¹ Search speed: $\times 2 \Rightarrow \times 5 \Rightarrow \times 10 \Rightarrow \times 20 \Rightarrow \times 60$

*² Slow motion speed: $\frac{1}{32} \Rightarrow \frac{1}{16} \Rightarrow \frac{1}{8} \Rightarrow \frac{1}{4} \Rightarrow \frac{1}{2}$

*³ Search speed: $\times 2 \Rightarrow \times 10$

*⁴ Search speed: $\frac{1}{2} \Rightarrow \frac{1}{4} \Rightarrow \frac{1}{8}$

*⁵ Search speed: $\frac{1}{2} \Rightarrow \frac{1}{4}$

Button	 VCD	 MP3/ WMA/WAV	 CD
	Stop play	Stop play	Stop play
	Start play/Pause (if pressed during play)	Start play/Pause (if pressed during play)	Start play/Pause (if pressed during play)
	Reverse/forward track search* ¹ • Forward slow motion* ² during pause (No sound can be heard.) – Reverse slow motion does not work.	Reverse/forward track search* ¹	Reverse/forward track search* ¹
	[Press] Select track [Hold] Reverse/fast-forward track search* ³ (No sound can be heard.)	[Press] Select track [Hold] Reverse/fast-forward track search* ³	[Press] Select track [Hold] Reverse/fast-forward track search* ³
	—	Select folder	—

*¹ – *³: See page 16.

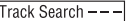
Searching for chapter/title/program/playlist/folder/track directly (DVD/DivX/MPEG Video/MP3/WMA/WAV/CD)

- 1 While holding SHIFT, press DIRECT repeatedly to select the desired search mode.

DVD-Video:  →  → Canceled

DVD-VR:  →  → Canceled

DivX/MPEG Video:  →  → Canceled

MP3/WMA/WAV:  →  → Canceled

CD:  → Canceled

- 2 While holding SHIFT, press the number buttons (0 – 9) to enter the desired number.
- 3 Press ENT (enter) to confirm.

Continued on the next page

- For DivX/MPEG Video/MP3/WMA/WAV, track is searched within the same folder.
- For DVD-VR, program/playlist search is possible during Original program playback (PG)/Playlist playback (PL).
- To erase a misentry, press CLR (clear) while holding SHIFT.
- To return to the previous screen, press RETURN.

Using menu driven features... (DVD-Video/ DVD-VR)

- 1 Press TOP MENU/DVD MENU to enter the menu screen.
- 2 Press $\Delta/\nabla/\leftarrow/\rightarrow$ to select an item you want to start play.
- 3 Press ENT (enter) to confirm.

Canceling the PBC playback... (VCD)

- 1 During stop, press DIRECT while holding SHIFT.
 - 2 Hold SHIFT, then press the number buttons (0 – 9) to enter the desired number.
 - 3 Press ENT (enter) to confirm.
- To resume PBC, press TOP MENU/DVD MENU.

■ Operations using the on-screen bar (DVD/DVD-VR/DivX/MPEG Video/VCD)

These operations are possible on the monitor using the remote controller.

1 Show the on-screen bar (see page 19).

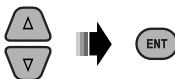


2 Select an item.



3 Make a selection.

If pop-up menu appears...



- To cancel pop-up menu, press RETURN.
- For entering time/numbers, see the following.

Entering time/numbers

Press Δ/∇ to change the number, then press $\leftarrow/\rightarrow$ to move to the next entry.

- Each time you press Δ/∇ , the number increases/decreases by one value.
- After entering the numbers, press ENT (enter).
- It is not required to enter the zero and trailing zeros (the last two digits in the example below).

Ex.: Time search

DVD: _:_ _:_ (Ex.: 1:02:00)

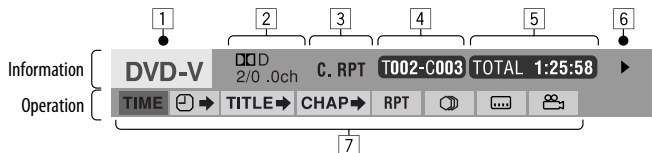
Press Δ once, then $\rightarrow$ twice to go to the third entry, Δ twice, then press ENT (enter).

Removing the on-screen bar



On-screen bar

Ex.: DVD-Video



- 1 Disc type
- 2 • DVD-Video: Audio signal format type and channel
• VCD:PBC
- 3 Playback mode*1
- DVD-Video: **T. RPT:** Title repeat
C. RPT: Chapter repeat
- DVD-VR: **C. RPT:** Chapter repeat
PG. RPT: Program repeat
- DivX/MPEG Video: **T. RPT:** Track repeat
F. RPT: Folder repeat
A. RND: All random
F. RND: Folder random
- VCD*2: **T. RPT:** Track repeat
A. RND: All random

4 Playback information

T002-C003 Current title/chapter
PG001 C002 Current program/chapter
PL001 C002 Current playlist/chapter
TRACK 01 Current track

F001-T001 Current folder/track

5 Time indication

TOTAL Elapsed playing time of the disc
(For DVD-Video, elapsed playing time of the current title/program/playlist.)

T. REM DVD-Video/DVD-VR: Remaining title/program/playlist time
VCD: Remaining disc time

TIME Elapsed playing time of the current chapter/track*3

REM Remaining time of the current chapter/track*3

6 Playback status

- ▶ Play
 ▶▶ / ◀◀ Forward/reverse search
 |▶ / ◀| Forward/reverse slow-motion
 || Pause
 ■ Stop

7 Operation icons

- TIME** Change time indication (see 5)
 ◻▶ Time Search (Enter the elapsed playing time of the current title/program/playlist or of the disc.)
- TITLE▶** Title Search (by its number)
CHAP▶ Chapter Search (by its number)
TRACK▶ Track Search (by its number)
- ◻ Change the audio language or audio channel
 ◻ Change or turn off the subtitle language
 ◻ Change the view angle
RPT Repeat play*1
RND Random play*1

*1 For repeat play/random play, see also page 15.

*2 While PBC is not in use.

*3 Not applicable for DVD-VR.

■ Operations using the control screen

(DivX/MPEG Video/MP3/WMA/WAV/CD)

These operations are possible on the monitor using the remote controller.

1 Show the control screen.

DivX/MPEG Video: Press ■ during play.

MP3/WMA/WAV/CD: Automatically appear during play.

2 Select "Folder" column or "Track" column (except for CD).



3 Select a folder or track.

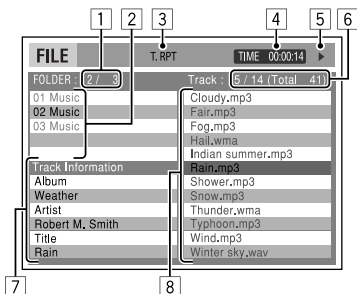


4 Start playback.

DivX/MPEG Video: Press ENT (enter) or ►/⏏.

MP3/WMA/WAV/CD: Playback starts automatically.

Control screen



Ex.: MP3/WMA/WAV disc

- 1 Current folder number/total folder number
- 2 Folder list with the current folder selected
- 3 Selected playback mode
- 4 Elapsed playing time of the current track
- 5 Operation mode icon (►, ■, ⏏, ►►, ◀◀)

- 6 Current track number/total number of tracks in the current folder (total number of tracks on the disc)
- 7 Track information
- 8 Track list with the current track selected

Selecting a playback mode

• See also page 15.

- 1 While control screen is displayed...



Playback mode selection screen appears on the folder list section of the control screen.

- 2 Select a playback mode.



- 3 Select an item.



REPEAT	REPEAT FOLDER *	: Repeat current folder
	REPEAT TRACK	: Repeat current track
RANDOM	RANDOM ALL	: Randomly play all tracks
	RANDOM FOLDER *	: Randomly play all tracks of current folder, then tracks of next folders

- To cancel repeat play or random play, select "REPEAT OFF" or "RANDOM OFF."

* Not selectable for CD.

- 4 Confirm the selection.



Operations using the list screen (DVD-VR/DivX/MPEG Video/MP3/WMA/WAV)

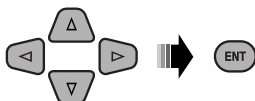
These operations are possible on the monitor using the remote controller.

Before playing, you can display the folder list/track list to confirm the contents and start playing a track.

1 Display the folder list while stop.

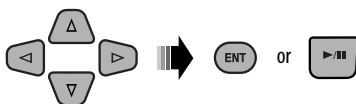


2 Select an item from the folder list.



- Track list of the selected folder appears.
- To go back to the folder list, press RETURN.

3 Select a track to start playing.



- MP3/WMA/WAV: Control screen appears (see page 20).

List screen (DivX/MPEG Video/MP3/WMA/WAV)

1

2

3

Folder: 153/240

Track:154/198

Page: 4/ 6

fol130	fol140	fol150	fol160
fol131	fol141	fol151	fol161
fol132	fol142	fol152	fol162
fol133	fol143	fol153	fol163
fol134	fol144	fol154	fol164
fol135	fol145	fol155	fol165
fol136	fol146	fol156	fol166
fol137	fol147	fol157	fol167
fol138	fol148	fol158	fol168
fol139	fol149	fol159	fol169

4

Ex.: Folder list

- 1 Current folder number/total folder number
- 2 Current track number/total number of tracks in the current folder

- 3 Current page/total number of the pages included in the list
- 4 Current folder/track (highlighted bar)

List screen (DVD-VR)

You can use ORIGINAL PROGRAM or PLAY LIST screen anytime while playing DVD-VR with its data recorded.

- 1 Select a list screen.



ORIGINAL PROGRAM				
No	Date	Ch	Time	Title
1	25/04/07	4ch	19:00	JVC DVD World 2004
2	17/05/07	8ch	10:30	
3	22/05/07	8ch	17:00	Musical Festival children 001
4	28/05/07	L-1	13:19	
5	20/05/07	4ch	22:00	
6	25/06/07	L-1	8:23	children 002



PLAY LIST				
No	Date	Chap	Length	Title
1	25/05/07	001	1:03:16	My JVC World
2	17/06/07	005	1:35:25	
3	20/06/07	003	0:10:23	Favorite music children001-002
4	25/06/07	001	0:07:19	

- 1 Program/playlist number
- 2 Recording date
- 3 Recording source (TV station, the input terminal of the recording equipment, etc.)
- 4 Start time of recording
- 5 Title of the program/playlist*
- 6 Current selection (highlighted bar)
- 7 Creating date of playlist
- 8 Number of chapters
- 9 Playback time

* The title of the original program or playlist may not be displayed depending on the recording equipment.

- 2 Select an item from the list.

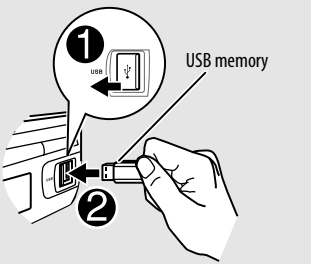


USB operations

You can connect a USB mass storage class device such as a USB memory, portable HDD, etc. to the unit.

- You can also connect an Apple iPod/iPhone to the USB input terminal. For details of the operations, see pages 29 – 33.

This unit can play MPEG Video/MP3/WMA/WAV tracks stored in a USB mass storage class device (such as a USB memory, Digital Audio Player, portable HDD, etc.).

1		Turn on the power.
2		Connect a USB device. All tracks will be played repeatedly until you change the source or disconnect a device.

Turn on the monitor to watch the playback picture if you play back an MPEG file. You can also control playback by referring to the monitor screen. (See also pages 18 – 21.)

- See pages 16 – 21 for operation using the remote controller.
- See pages 42 and 43 for more settings.

If "⊘" appears on the monitor when pressing a button, the unit cannot accept the operation you have tried to do.

- In some cases, without showing "⊘," operations will not be accepted.

If a USB device has been attached...

SRC

Playback starts from where it has been stopped previously.

- If a different USB device is currently attached, playback starts from the beginning.

Stop playing and detaching the USB device

Straightly pull it out from the USB input terminal.

- "NO USB" appears. Press SRC to listen to another playback source.

You can operate the USB device in the same way you operate the files on a disc. (See pages 13 – 21.)

Cautions:

- Avoid using the USB device if it might hinder your safety driving.
- While “READING” is shown on the display:
 - Do not pull out and attach the USB device repeatedly.
 - Do not pull out or attach another USB device.
- Do not start the car engine if a USB device is connected.
- This unit may not be able to play the files depending on the type of USB device.
- Operation and power supply may not work as intended for some USB devices.
- You cannot connect a computer to the USB input terminal of the unit.
- Make sure all important data has been backed up to avoid losing the data.
- Do not leave a USB device in the car, expose to direct sunlight, or high temperature to avoid deformation or cause damages to the device.
- Some USB devices may not work immediately after you turn on the power.
- The detect time and response time may be very long for some USB devices (such as Digital Audio Player, HDD, etc.).
- For more details about USB operations, see pages 46 and 47.

Using the Bluetooth® devices

For Bluetooth operations, it is required to connect the **Bluetooth adapter** (KS-BTA200) (not supplied) to the CD changer jack on the rear of this unit.

- Refer also to the instructions supplied with the Bluetooth adapter and the Bluetooth device.
- Refer to the list (included in the box) to check the countries where you may use the Bluetooth® function.

To use a Bluetooth device through the unit (“**BT-PHONE**” and “**BT-AUDIO**”) for the first time, you need to establish Bluetooth wireless connection between the unit and the device.

- Once the connection is established, it is registered in the unit even if you reset your unit. Up to five devices can be registered in total.
- Only one device can be connected at a time for each source (“**BT-PHONE**” and “**BT-AUDIO**”).

See page 47 about warning messages for Bluetooth operations.

■ Registering a Bluetooth device

Registration (Pairing) methods

Use either of the following items in the Bluetooth menu to register and establish the connection with a device.

- Select “BT-PHONE” or “BT-AUDIO” as the source to operate the Bluetooth menu.

OPEN	Make the unit ready to establish a new Bluetooth connection. Connection is established by operating the Bluetooth device.
SEARCH	Make the unit ready to establish a new Bluetooth connection. Connection is established by operating the unit.

Registering using “OPEN”

Preparation: Operate the device to turn on its Bluetooth function.

1 Select “BT-PHONE” or “BT-AUDIO.”



2 Select “NEW DEVICE.”



3 Select “OPEN.”



4 Enter a PIN (Personal Identification Number) code to the unit.

- You can enter any number you like (1-digit to 16-digit number). [Initial: 0000]
 - Some devices have their own PIN code. Enter the specified PIN code to the unit.

- 1 Move to the next (or previous) number position.



- 2 Select a number.



- 3 Repeat steps 1 and 2 until you finish entering a PIN code.
- 4 Confirm the entry.



“OPEN...” flashes on the display.

5 Use the Bluetooth device to search and connect.

On the device to be connected, enter the same PIN code you have just entered for this unit.

“CONNECTED” appears on the display.

Now connection is established and you can use the device through the unit.

ⓑ appears when Bluetooth connection is established.

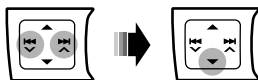
The device remains registered even after you disconnect the device. Use “CONNECT” (or activate “AUTO CNNECT”) to connect the same device from next time on. (See pages 25 and 44.)

Connecting a device

- 1 Select "BT-PHONE" or "BT-AUDIO."

SRC

- 2 Select "NEW DEVICE."



- 3 To search for available devices:

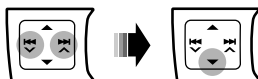
Select "SEARCH."

The unit searches and displays the list of the available devices. If no available device is detected, "UNFOUND" appears.

To connect a special device:

Select "SPECIAL."

The unit displays the list of the preset devices.



- 4 Select a device you want to connect.



- 5 For available devices...

- 1 Enter the specific PIN code of the device to the unit.

Refer to the instructions supplied with the device to check the PIN code.

- 2 Use the Bluetooth device to connect.

Now connection is established and you can use the device through the unit.

For special device...

Use "OPEN" or "SEARCH" to connect.

Connecting/disconnecting/deleting a registered device

- 1 Select "BT-PHONE" or "BT-AUDIO."

SRC

- 2 Select a registered device you want to connect/disconnect/delete.



- 3 To connect/disconnect the selected device:

Select "CONNECT" or "DISCONNECT."

To delete the selected device:

Select "DELETE," then "YES."



You can set the unit to connect the Bluetooth device automatically when the unit is turned on. (See "AUTO CNNECT" on page 44.)

Using the Bluetooth cellular phone

1		Select "BT-PHONE."
2		Enter the Bluetooth menu.
3	—	Make a call or setting using the Bluetooth setting menu. (See the following and page 44.)

When a call comes in....

The source is automatically changed to "BT-PHONE."

- The display will flash in blue (see <RING COLOR> on page 38 for setting).

When "AUTO ANSWER" is activated....

The unit answers the incoming calls automatically, see page 44.

- When "AUTO ANSWER" is deactivated, press any button (except ) to answer the incoming call.
- You can adjust the microphone volume level (see "MIC SETTING" on page 44).

To end the call

Hold any button (except )

When a text message comes in....

If the cellular phone is compatible with text message (notified through JVC Bluetooth adapter) and "MSG INFO" (message info) is set to "AUTOMATIC" (see page 44), the unit rings to inform you of the message arrival.

- "RCV MESSAGE" (receiving message) appears on the display and the display illuminates in blue (see <RING COLOR> on page 38 for setting).

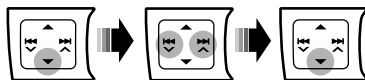
Making a call

You can make a call using the following methods.

Select "BT-PHONE," then follow the following steps to make a call:

- To return to the previous menu, press .

1 Enter the "DIAL" menu.



2 Select a calling method.



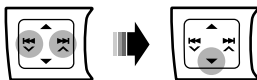
Call history:

- Select a call history (REDIAL*, RECEIVED*, MISSED*).
- Then select a name (if it is acquired) or phone number.



Phone book:

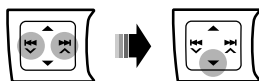
- Select "PHONE BOOK**".
The list of phone number appears.
- Select a name from the list.



* Displays only when your cellular phone is equipped with these functions and is compatible with this unit.

Direct dialing:

- 1 Select "NUMBER."



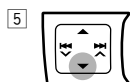
- 2 Select a number.



- 3 Move to the next (or previous) number position.



- 4 Repeat steps 2 and 3 until you finish entering the phone number.



Voice dialing:

- 1 Select "VOICE DIAL."



"SAY NAME" appears on the display.

- 2 Speak the name you want to call.
- If your cellular phone does not support the voice recognition system, "ERROR" appears on the display.
 - Using "VOICE DIAL" may be difficult in a noisy environment or during an emergency.

Using the Bluetooth audio player

SRC

Select "BT-AUDIO."

If playback does not start, operate the Bluetooth audio player to start playback.

- Operate the Bluetooth audio player to pause (if playback does not pause when you change the source).



Reverse skip/forward skip



Pause/start playback*



Enter the Bluetooth menu (see page 44)

* Operation may be different according to the connected Bluetooth audio player.

- Refer also to page 25 for connecting/disconnecting/deleting a registered device.
- If the sound is stopped or interrupted while using a Bluetooth device, turn off, and turn on the unit again to restore the sound.
If this does not work, reconnect the device (see page 25).

Bluetooth Information:

If you wish to receive more information about Bluetooth, visit the following JVC web site:
<<http://www.jvc.co.jp/english/car/>> (English website only)

Listening to the CD changer

It is recommended to use a JVC MP3-compatible CD changer (not supplied) with your unit. You can connect a CD changer to the CD changer jack on the rear of the unit.

- You can only play conventional CDs (including CD Text) and MP3 discs.

Preparation: Make sure <CH/IPOD> is selected in the <SRC SELECT> → <EXT IN> setting, see page 39.

1		Select "CD-CH."
2		Enter the list mode.
3	 [Turn] → [Press]	Select a disc, folder, then the track. Playback starts automatically. If there is no disc on the selected tray, the unit beeps.

- To select another folder/track while playing (for MP3 discs), repeat steps 2 and 3 above until the desired folder/track is selected. The selection always start from disc number first.
- If another disc/folder is selected, playback starts from the 1st track of the selected disc/folder.
- To change the display information, see page 13.

	MP3: Select folders
	[Press] Select track [Hold] Reverse/fast-forward track

Selecting the playback modes

-  [Hold]
-  [Turn] → [Press]

REPEAT ↔ RANDOM
-  [Turn] → [Press]

REPEAT	TRACK RPT	: Repeats current track
	FOLDER RPT	: MP3: Repeats all tracks of current folder
	DISC RPT	: Repeats all tracks of the current disc
RANDOM	FOLDER RND	: MP3: Randomly plays all tracks of the current folder, then tracks of the next folder
	DISC RND	: Randomly plays all tracks of current disc
	ALL RND	: Randomly plays all tracks of the discs in the magazine

- To cancel repeat play or random play, select "RPT OFF" or "RND OFF."
- To return to the previous menu, press BACK.

Listening to the iPod/iPhone

You can connect the iPod/iPhone using the following cable or adapter:

To	Cable/adapter	To operate
Listen to the music	USB 2.0 cable (accessory of the iPod/iPhone) to the USB input terminal of the unit.	See "When connected with the USB cable" below.
	Interface Adapter for iPod, KS-PD100 (not supplied) to the CD changer jack on the rear of the unit.	See "When connected with the interface adapter" on page 33.
Watch the video	USB Audio and Video cable for iPod/iPhone, KS-U29 (not supplied) to the USB input terminal of the unit.	See "When connected with the USB cable" below. • Make sure <AV ON> is selected for <AV IN>, see page 39. • Turn on the monitor to watch the video.

- Disconnecting the iPod/iPhone will stop playback. Press SRC to listen to another playback source.
- For details, refer also to the manual supplied with your iPod/iPhone.

Caution:

- Avoid using the iPod/iPhone if it might hinder your safety while driving.
- Make sure all important data has been backed up to avoid losing the data.

When connected with the USB cable

There are 2 control modes in "**USB (iPod)**" source.

- **<HEAD MODE>**: Control by this unit.
- **<IPOD MODE>**: Control by the connected iPod/iPhone.
Make sure **<AV ON>** is selected for **<AV IN>** when using KS-U29 to connect, see page 39.

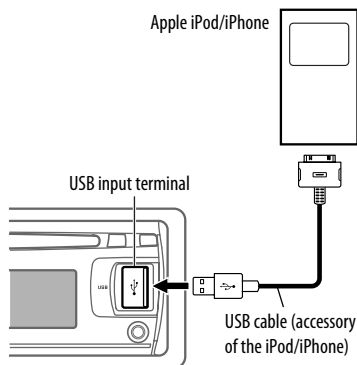
Preparation: Select the controlling terminal, **<HEAD MODE>** or **<IPOD MODE>** for iPod playback:

- Press and hold BACK button.
- Make the selection from **<IPOD SWITCH>** setting, see page 39.

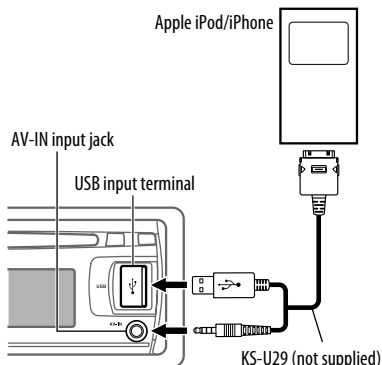
Continued on the next page

The operation explained on the following are under <HEAD MODE>.

Connect using USB 2.0 cable (accessory of the iPod/iPhone):



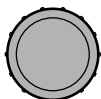
Connect using USB Audio and Video cable for iPod/iPhone, KS-U29 (not supplied):



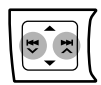
Playback starts automatically from where it had been paused previously.*

* Not applicable for video files.

Pressing (or holding) the following buttons allows you to...



[Press] Pause/resume playback.



[Press] Select track
[Hold] Reverse/fast-forward track

Changing the display information

DISP

Album/artist name → Track name → Current track number with the elapsed playing time → Current track number with the clock time → (back to the beginning)

Selecting a track from the menu

1 Enter the main menu.



2 Select the desired menu.



[Turn] → [Press]

MUSIC ↔ VIDEOS ↔
SHUFFLE SONGS

Selecting "SHUFFLE SONGS" starts playback.

3 Select the desired item.



[Turn] → [Press]

- If a track is selected, playback starts automatically.
- If the selected item has another layer, you will enter the layer. Repeat step 3 until the desired track is played.
- To return to the previous menu, press BACK.

Menu items:

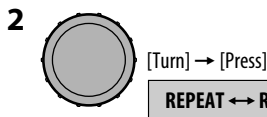
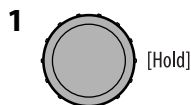
For "MUSIC":

PLAYLISTS, ARTISTS, ALBUMS, SONGS, PODCASTS, GENRES, COMPOSERS, AUDIOBOOKS

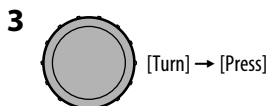
For "VIDEOS":

VIDEO PLAYLISTS, MOVIES, MUSIC VIDEOS, TV SHOWS, VIDEO PODCASTS

Selecting the playback modes



* Not applicable for video files.



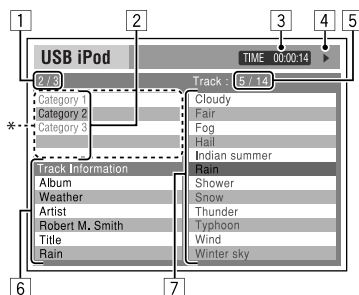
REPEAT	ONE RPT	: Functions the same as "Repeat One" of the iPod.
	ALL RPT	: Functions the same as "Repeat All" of the iPod.
RANDOM	SONG RND	: Functions the same as "Shuffle Songs" of the iPod.
	ALBUM RND	: Functions the same as "Shuffle Albums" of the iPod.

- To cancel repeat play or random play, select "RPT OFF" or "RND OFF."
- "ALBUM RND" is not available for some iPod.
- To return to the previous menu, press BACK.

Operations using the control screen

- These operations are possible on the monitor using the remote controller and <HEAD MODE> is selected.
- Connect your iPod/iPhone to the USB input terminal on the control panel using the USB cable (accessory of the iPod/iPhone) or KS-U29 (not supplied) for watching video file.

1 Turn on the monitor.



Control screen appears on the monitor.

* The Artwork of the song is shown if the song has an Artwork data. (See also page 39.) While MP3/WMA/WAV file is played, "Jacket picture" is shown if the file has the Tag data including "Jacket picture."

- 1 Current category number/total category number
- 2 Category list with the current category selected
- 3 Elapsed playing time of the current track
- 4 Operation mode icon (▶, ■, II, ▶▶, ◀◀)
- 5 Current track number/total number of tracks in the current category
- 6 Track information
- 7 Track list with the current track selected

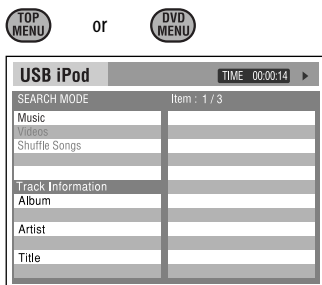
2 Select the desired item.



If the selected item has another layer, you will enter the layer. Repeat this step until the desired track is played.

To select a track from Search Mode

- 1 Enter Search Mode menu.



- 2 Select an menu item.



Selecting "Shuffle Songs" starts playback.

- 3 Select a search mode category, then the desired track/video.



- To return to the previous search mode screen, press DVD MENU.
- To return to the control screen, press RETURN.

Search modes category:

For "Music":

Playlists, Artists, Albums, Songs, Podcasts, Genres, Composers, Audiobooks

For "Videos":

Video Playlists, Movies, Music Videos, TV Shows, Video Podcasts

- Available Search Modes depend on the type of your iPod.

To select a playback mode/change the speed of the Audiobooks

- Not applicable for <IPOD MODE>.

- 1 While control screen is displayed...



Playback mode selection screen appears on the category list section of the control screen.

- 2 Select an item.



- 3 Select a playback mode/speed.



REPEAT	REPEAT ONE	Same as "Repeat One."
	REPEAT ALL	Same as "Repeat All."
RANDOM*1	RANDOM ALBUMS*2	Same as "Shuffle Albums."
	RANDOM SONGS	Same as "Shuffle Songs."
AUDIO BOOK*3	NORMAL	Plays at normal speed.
	FASTER	Plays faster.
	SLOWER	Plays slower.

- To cancel repeat play or random play, select "REPEAT OFF" or "RANDOM OFF."

*1 Not applicable for video files.

*2 Functions only if you select "ALL ALBUMS" or "ALL" in "ALBUMS" of the main "MENU."

*3 You can also change the settings from the Menu operations. See <AUDIOBOOKS> on page 39.

- 4 Confirm the selection.



When connected with the interface adapter

Preparation: Make sure <CH/IPOD> is selected in the <SRC SELECT> → <EXT IN> setting, see page 39.

1		Select "IPOD." Playback starts automatically.
2		Select a song.

Pressing (or holding) the following buttons allows you to...

	Pause/resume playback
	[Press] Select track [Hold] Reverse/fast-forward track

- Pressing and holding     skips 10 items at a time.

3 Confirm the selection.



- If a track is selected, playback starts automatically.
- Press  to return to the previous menu.

Changing the display information



Album/artist name → Track name → Current track number with the elapsed playing time → Current track number with the clock time → (back to the beginning)

Selecting the playback modes

See page 31 for operations.

- "ALBUM RND" functions only if you select "ALL ALBUMS" for "ALBUMS" in the main menu.

Selecting a track from the menu

1 Enter the main menu.



This mode will be canceled if no operations are done for about 5 seconds.

2 Select the desired menu.



PLAYLISTS ↔ ARTISTS ↔ ALBUMS ↔
SONGS ↔ GENRES ↔ COMPOSERS ↔
(back to the beginning)

Listening to the other external components

You can connect an external component to:

- **EXT INPUT:** CD changer jack on the rear of this unit using the following adapters (not supplied):
 - **KS-U57:** For connecting the component with pin jacks
 - **KS-U58:** For connecting the component with stereo mini jack

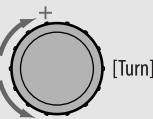
Preparation: Make sure <EXT INPUT> is selected in the <SRC SELECT> → <EXT IN> setting, see page 39.

- **AV IN:** AV-IN input jack on the control panel.

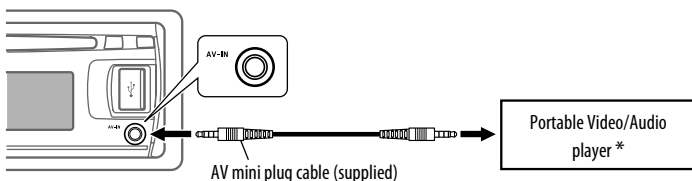
Preparation:

- Make sure <AV ON> is selected in the <SRC SELECT> → <AV IN> setting, see page 39.
- Make sure to connect and turn on the monitor to watch the playback picture. If the parking brake is not engaged, "PARKING" flashes on the display and no playback video on the monitor. For connection, see Installation/Connection Manual (separate volume).

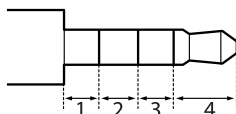
- **LINE IN:** LINE IN plugs on the rear of this unit.

1		Select "EXT INPUT," "LINE IN," or "AV IN."
2	—	Turn on the connected component and start playing the source.
3		Adjust the volume.
4	—	Adjust the sound as you want (see pages 35 and 36).

Connecting an external component to the AV-IN input jack



* Portable Video/Audio player of this pin-allocation can be connected:



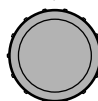
1	2	3	4	
Audio (R)	GND	Video	Audio (L)	Camcorder
Video	GND	Audio (R)	Audio (L)	iPod, etc.
GND		Audio (R)	Audio (L)	AUX

Selecting a preset sound mode

You can select a preset sound mode suitable to the music genre.



Selecting from Menu.



[Turn] → [Press]



- See page 36 for <USER> settings.

Preset value setting for each sound mode

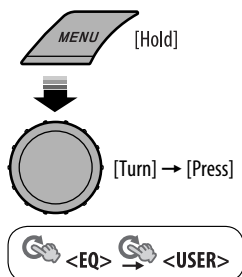
Sound mode	Preset value									LOUD (loudness)
	BASS			MIDDLE			TREBLE			
	Freq.	Level	Q	Freq.	Level	Q	Freq.	Level	Q	
USER	60 Hz	00	Q1.0	1.0 kHz	00	Q1.0	10.0 kHz	00	Q1.25	OFF
ROCK	100 Hz	+03	Q1.0	1.0 kHz	00	Q1.25	10.0 kHz	+02	Q1.25	
CLASSIC	80 Hz	+01	Q1.0	1.0 kHz	00	Q1.25	10.0 kHz	+03	Q1.25	
POPS	100 Hz	+02	Q1.0	1.0 kHz	+01	Q1.25	10.0 kHz	+02	Q1.25	
HIP HOP	60 Hz	+04	Q1.0	1.0 kHz	−02	Q1.0	10.0 kHz	+01	Q1.25	
JAZZ	80 Hz	+03	Q1.0	1.0 kHz	00	Q1.25	10.0 kHz	+03	Q1.25	

Freq.: Frequency Q: Q-slope

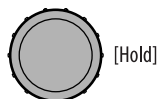
■ Storing your own sound mode

You can store your own adjustments in memory.

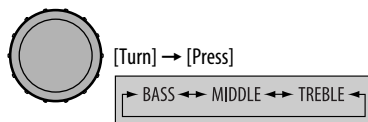
1 Select <USER>.



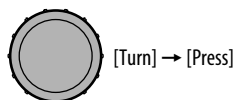
2 While <USER> is shown on the display...



3 Select a tone.



4 Adjust the sound elements of the selected tone.



- 1 Adjust the frequency.
- 2 Adjust the level.
- 3 Adjust the Q-slope.

Sound element	Range/selectable item		
	BASS	MIDDLE	TREBLE
Frequency	60 Hz	0.5 kHz	7.5 kHz
	80 Hz	1.0 kHz	10.0 kHz
	100 Hz	1.5 kHz	12.5 kHz
	120 Hz	2.5 kHz	15.0 kHz
Level	-06 to +06	-06 to +06	-06 to +06
Q	Q0.5	Q0.75	Q0.75
	Q1.0	Q1.0	Q1.25
	Q1.5	Q1.25	
	Q2.0	Q1.5	

5 Repeat steps 3 and 4 to adjust other sound characteristics.

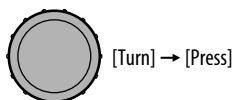
The adjustment made will be stored automatically.

Menu operations

1 Call up the menu.



2 Select the desired item.



3 Repeat step 2 if necessary.

- To confirm the setting, press the control dial.
- To return to the previous menu, press BACK.
- To exit from the menu, press DISP or MENU.

Initial: **Underlined**

Category	Menu item	Selectable setting, [reference page]
DEMO	DEMO Display demonstration	• <u>DEMO ON</u> : Display demonstration will be activated automatically if no operation is done for about 20 seconds, [10]. • DEMO OFF : Cancels.
	CLOCK DISP *1 Clock display	• CLOCK ON : Clock time is shown on the display at all times when the power is turned off. • <u>CLOCK OFF</u> : Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off.
	CLOCK SET Clock setting	: Adjust the hour, then the minute, [10]. (Initial: <u>1:00</u>)
EQ	EQ Equalizer	: Select a preset sound mode suitable to the music genre. <u>USER, ROCK, CLASSIC, POPS, HIP HOP, JAZZ</u>
DISPLAY	DIMMER Dimmer	• <u>DIMMER AUTO</u> : Dims the display when you turn on the headlights.*2 • DIMMER ON : Dims the display and button illumination. • DIMMER OFF : Cancels.
	SCROLL *3 Scroll	• <u>SCROLL ONCE</u> : Scrolls the displayed information once. • SCROLL AUTO : Repeats scrolling (at 5-second intervals). • SCROLL OFF : Cancels. Pressing DISP for more than one second can scroll the display regardless of the setting.

*1 If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select **<CLOCK OFF>** to save the car's battery.

*2 The illumination control lead connection is required. (See "Installation/Connection Manual.")

*3 Some characters or symbols will not be shown correctly (or will be blanked) on the display.

Continued on the next page

Category	Menu item	Selectable setting, [reference page]
DISPLAY	TAG DISPLAY Tag display	• TAG ON : Shows the Tag information while playing MP3/WMA/WAV tracks. • TAG OFF : Cancels.
	VIDEO *4 Video format	• PAL : Select this if your monitor is of the PAL color system. • NTSC : Select this if your monitor is of the NTSC color system.
TUNER	MONO *5 Monaural mode	• MONO ON : Activate monaural mode to improve FM reception, but stereo effect will be lost, [11]. • MONO OFF : Restore the stereo effect.
	IF BAND Intermediate frequency band	• AUTO : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) • WIDE : Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
COLOR	COLOR 01 — COLOR 29, USER	: Select one of the preset or user color for display and button (except EQ /⏻/ATT/▲) illumination. (For customized color settings, <USER>, see page 40.)
MENU COLOR	• ON • OFF	: Changes the display and button (except EQ /⏻/ATT/▲) illumination during menu, list search, and playback mode operations. : Cancels.
RING COLOR*6	• ON • OFF	: When a call comes in, the display will flash in blue. • The display will change to the original color when you answer the call or the incoming call stops. When the unit receive a text message, the display only illuminates in blue. : Cancels.
AUDIO	FADER *7 Fader	R06 – F06 : Adjust the front and rear speaker output balance. (Initial: 00)
	BALANCE Balance	L06 – R06 : Adjust the left and right speaker output balance. (Initial: 00)
	LOUD Loudness	• LOUD ON : Boost low and high frequencies to produce a well-balanced sound at a low volume level. • LOUD OFF : Cancels.

*4 The newly selected video format takes effect only after you turn on the power again or change the source.

*5 Displayed only when the source is "FM."

*6 Displayed only when Bluetooth adapter, KS-BTA200 is connected.

*7 If you are using a two-speaker system, set the fader level to <00>.

Category	Menu item	Selectable setting, [reference page]
AUDIO	VOL ADJUST Volume adjust	VOL ADJ –05 : Preset the volume adjustment level of each source (except FM), compared to the FM volume level. The volume level will automatically increase or decrease when you change the source. VOL ADJ +05 (Initial: VOL ADJ 00) - Before making an adjustment, select the source you want to adjust. “VOL ADJ FIX” appears on the display if “FM” is selected as the source.
	BEEP Key touch tone	BEEP ON : Activates the keypress tone. BEEP OFF : Deactivates the keypress tone.
	AMP GAIN *8 Amplifier gain control	LOW POWER : VOLUME 00 – VOLUME 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speaker.) HIGH POWER : VOLUME 00 – VOLUME 50
SRC SELECT	AM *9 AM station	AM ON : Enable “AM” in source selection, [6]. AM OFF : Disable “AM” in source selection.
	EXT IN *10 External input	CH/IPOD : To connect a JVC CD changer, [28], or an iPod, [33]. EXT INPUT : To connect a portable video/audio player to the CD changer jack, [34].
	AV IN *11 Audio video input	AV ON : Enable “AV IN” in source selection, [6]. AV OFF : Disable “AV IN” in source selection.
ARTWORK*12	ARTWORK ON ARTWORK OFF	- Activates Artwork display on the control screen, [31]. - It takes 5 seconds or more to display an Artwork and no operations are available while loading it. - Skip the track so that your setting takes effect. - Cancels. (Skip the track so that your setting takes effect.)
AUDIO-BOOKS*12	NORMAL FASTER SLOWER	- You can select the playback speed of the “Audiobooks” sound file in your iPod/iPhone. - Initial selected item depends on your iPod/iPhone setting.
IPOD SWITCH*12	HEAD MODE IPOD MODE	- Controls iPod playback through the unit. - Controls iPod playback through the iPod/iPhone.

*8 The volume level automatically changes to “VOLUME 30” if you change to <LOW POWER> with the volume level set higher than “VOLUME 30.”

*9 Displayed only when any source other than “AM” is selected.

*10 Not selectable when the component connected to the CD changer jack is selected as the source.

*11 Displayed only when any source other than “AV IN” is selected.

*12 Displayed only when the source is “USB (iPod).”

Color settings

Selecting a preset color

You can select a preset color for the buttons and display.

- See also page 38.



Creating your own color —USER Color

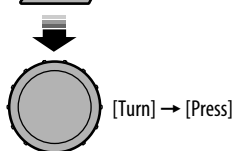
You can create your own colors—<DAY COLOR> or <NIGHT COLOR>.

DAY COLOR : Color for the display and buttons.

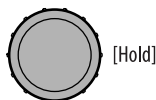
NIGHT COLOR : Color for the display and buttons when the display is dimmed.

To dim the display, see <DIMMER> on page 37.

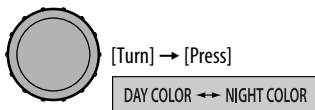
1 Select <USER>.



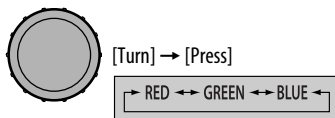
2 While <USER> is shown on the display...



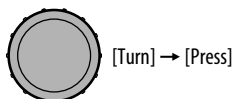
3



4 Select a primary color.



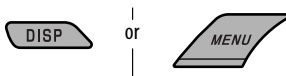
5 Adjust the level (00 to 31) of the selected primary color.



If <00> is selected for all the primary colors, nothing appear on the display.

6 Repeat steps 4 and 5 to adjust other primary colors.

7 Exit from the setting.



Select <USER> to show your own colors for the buttons and display.

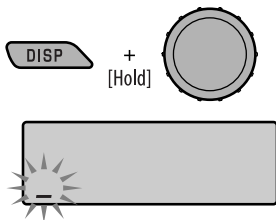
Title assignment

You can assign titles to 30 station frequencies (FM and AM) using 8 characters (maximum) for each title.

1 Select "FM" or "AM."



2 Show the title entry screen.



3 Assign a title.

- 1 Select a character.



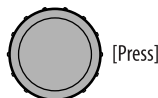
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3
4	5	6	7	8	9	-	/	<	>	space				

- 2 Move to the next (or previous) character position.



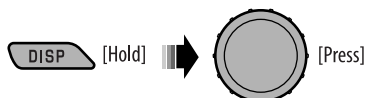
- 3 Repeat steps 1 and 2 until you finish entering the title.

4 Finish the procedure.



To erase the entire title

In step 2 on the left column...



Disc setup menu

These operations are possible on the monitor using the remote controller.

1 Enter the disc setup menu while stop.



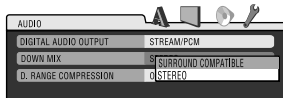
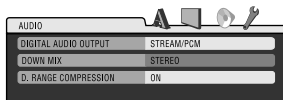
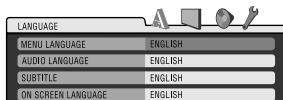
2 Select a menu.



3 Select an item you want to set up.



- To cancel pop-up menu, press RETURN.



To return to normal screen

4 Select an option.



Menu	Item	Setting
LANGUAGE	MENU LANGUAGE	Select the initial disc menu language. Refer also to "Language codes" on page 50.
	AUDIO LANGUAGE	Select the initial audio language. Refer also to "Language codes" on page 50.
	SUBTITLE	Select the initial subtitle language or remove the subtitle (OFF). Refer also to "Language codes" on page 50.
	ON SCREEN LANGUAGE	Select the language for the on screen display.
PICTURE	MONITOR TYPE	Select the monitor type to watch a wide screen picture on your monitor. 16:9  4:3 LETTERBOX  4:3 PAN SCAN 

Menu	Item	Setting
PICTURE	OSD POSITION	Select the on-screen bar position on the monitor. • 1 : Higher position • 2 : Lower position (Guidance below the disc setup menu will disappear.)
	iPod ARTWORK	While playing back a track (in <HEAD MODE>), Artwork recorded for the track is displayed on the monitor. • OFF : Cancels. • ON : Activates Artwork display. • It takes 5 seconds or more to display an Artwork and no operations are available while loading it.
AUDIO	DIGITAL AUDIO OUTPUT	Select the signal format to be emitted through the DIGITAL OUT (Optical) terminal. • OFF : Cancels. • PCM ONLY : Select for an amplifier or a decoder incompatible with Dolby Digital, MPEG Audio, or when connecting to a recording device. • DOLBY DIGITAL/PCM : Select for an amplifier or a decoder compatible with Dolby Digital. • STREAM/PCM : Select for an amplifier or a decoder compatible with Dolby Digital, and MPEG Audio.
	DOWN MIX	When playing back a multi-channel disc, this setting affects the signals reproduced through the LINE OUT jacks (and through the DIGITAL OUT terminal when "PCM ONLY" is selected for "DIGITAL AUDIO OUTPUT"). • SURROUND COMPATIBLE : Select to enjoy multi-channel surround audio by connecting an amplifier compatible with Dolby Surround. • STEREO : Normally select this.
	D. RANGE COMPRESSION	You can enjoy a powerful sound at low or middle volume levels while playing a Dolby Digital software. • AUTO : Select to apply the effect to multi-channel encoded software (excluding 1-channel and 2-channel software). • ON : Select to always use this function.
	DivX REGISTRATION	This unit has its own Registration Code. Once you have played back a disc in which the Registration Code recorded, this unit's Registration Code is overwritten for copyright protection.
OTHER	FILE TYPE (DISC)	Select playback file type when a disc contains different types of files. • AUDIO : Play MP3/WMA/WAV files. • VIDEO : Play DivX/MPEG Video files. • AUDIO + VIDEO : Play DivX/MPEG Video/MP3/WMA/WAV files.
	FILE TYPE (USB)	Select playback file type when a disc contains different types of files. • AUDIO : Play MP3/WMA/WAV files. • VIDEO : Play MPEG Video files. • AUDIO + VIDEO : Play MPEG Video/MP3/WMA/WAV files.

Bluetooth settings

You can change the settings listed on the right column according to your preference.

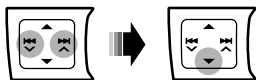
1 Select "BT-PHONE" or "BT-AUDIO."



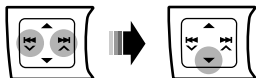
2 Enter the Bluetooth menu.



3 Select "SETTINGS."



4 Select a setting item.

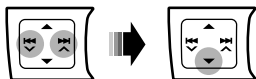


*1 Appears only when a Bluetooth phone is connected.

*2 Appears only when a Bluetooth phone is connected and it is compatible with text message (notified through JVC Bluetooth adapter).

*3 Bluetooth Audio: Shows only "VERSION."

5 Change the setting accordingly.



Setting menu (_ : Initial)

AUTO CNNECT (connect)

When the unit is turned on, the connection is established automatically with...

OFF : No Bluetooth device.

LAST : The last connected Bluetooth device.

ORDER : The available registered Bluetooth device found at first.

AUTO ANSWER

Only for the device being connected for "BT-PHONE."

OFF : The unit does not answer the calls automatically. Answer the calls manually.

ON : The unit answers the incoming calls automatically.

REJECT : The unit rejects all incoming calls.

MSG INFO (message info)

Only for the device being connected for "BT-PHONE."

AUTOMATIC : The unit informs you of the arrival of a message by ringing and displaying "RCV MESSAGE" (receiving message).
 • The display illuminates in blue (see <RING COLOR> on page 38).

MANUAL : The unit does not inform you of the arrival of a message.

MIC SETTING (microphone setting)

Only for the device being connected for "BT-PHONE."
 Adjust the volume of the microphone connected to the Bluetooth adapter.

LEVEL 01/02/03

VERSION

The Bluetooth software and hardware versions are shown.

More about this unit

■ General

Turning on the power

- By pressing SRC button on the unit, you can also turn on the power. If the source is ready, playback also starts.

Turning off the power

- If you turn off the power while listening to a disc, disc play will start automatically, next time you turn on the power.

General

- If you change the source, playback also stops (without ejecting the disc).
Next time you select “**DISC**” for the playback source, disc play starts from where it has been stopped previously.
- When a disc is inserted upside down, “PLEASE” and “EJECT” appear alternately on the display. Press ▲ to eject the disc.
- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. Playback starts automatically.
- After ejecting a disc or disconnect a USB device, “NO DISC” or “NO USB” appears and you cannot operate some of the buttons. Insert another disc, reconnect a USB device, or press SRC to select another playback source.
- If no operation is done for about 30 seconds after pressing MENU button or control dial, the operation will be canceled.

■ Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and the stations are stored anew.
 - When SSM is over, the station stored in the lowest preset number will be automatically tuned in.
- When storing a station manually, the previously preset station is erased when a new station is stored in the same preset number.

■ Disc operations

General

- In this manual, words “track” and “file” are interchangeably used.
- This unit can only play back audio CD (CD-DA) files if different type of files are recorded in the same disc.

Playing Recordable/Rewritable discs

- This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
- This unit can recognize a total 25 characters for file/folder names.
- Use only “finalized” discs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- This unit may be unable to play back some discs or files due to their characteristics or recording conditions.
- Rewritable discs may require a longer readout time.

Playing DVD-VR files

- For details about DVD-VR format and playlist, refer to the instructions supplied with the recording equipment.

Continued on the next page

Playing MP3/WMA/WAV files

- The maximum number of characters for folder and file names is 25 characters; 128 characters for MP3/WAV and 64 characters for WMA tag information.
- This unit can play back files with the extension code <.mp3>, <.wma>, or <.wav> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for the MP3/WMA/WAV files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back files recorded in VBR (variable bit rate).
Files recorded in VBR have a discrepancy in elapsed time indication.
- This unit cannot play back the following files:
 - MP3 files encoded with MP3i and MP3 PRO format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded with lossless, professional, and voice format.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA files copy-protected with DRM.
 - Files which have the data such as ATRAC3, etc.
 - AAC files and OGG files.

Playing DivX files

- This unit can play back DivX files with the extension code <.divx>, <.div>, <.avi> (regardless of the letter case—upper/lower).
- This unit supports DivX Media Format files, <.divx> or <.avi>.
- This unit can display a unique registration code—DivX Video-on-Demand (VOD—a kind of Digital Rights Management). For activation and more details, visit <www.divx.com/vod>.
- Audio stream should conform to MP3 or Dolby Digital.
- This unit does not support GMC (Global Motion Compression).
- The file encoded in the interlaced scanning mode may not be played back correctly.

- This unit cannot play back the following files:
 - Files encoded in Codec (Compressor-decompressor) other than DivX Codec.
- If you want to know more about DivX, visit <<http://www.divx.com>>.

Playing MPEG Video files

- This unit can play back MPEG Video files with the extension code <.mpg>, <.mpeg>, or <.mod>*.
* <.mod> is an extension code used for the MPEG-2 files recorded by JVC Everio camcorders.
- The stream format should conform to MPEG system/program stream.
The file format should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/MP@LL (Main Profile at Low Level).
- Audio stream should conform to MPEG1 Audio Layer 2.
- The maximum bit rate for video signals (average) is 4 Mbps.

USB operations

- Connecting a USB device automatically changes the source to “**USB**.”
- While playing from a USB device, the playback order may differ from the one from other players.
- This unit may be unable to play back some USB devices or some files due to their characteristics or recording conditions.
- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- When connecting a USB mass storage class device, refer also to its instructions.
- Connect one USB mass storage class device to the unit at a time. Do not use a USB hub.
- This unit is compatible with the USB Full-Speed.
- If the connected USB device does not have the correct files, “NO FILE” appears.
- This unit can play back MP3 files recorded in VBR (variable bit rate).
- The maximum number of characters for folder and file names is 25 characters; 128 characters for MP3/WAV and 64 characters for WMA Tag information.

- This unit can recognize a total of 5 000 files and 250 folders (999 files per folder).
- The unit cannot recognize a USB mass storage class device whose rating is other than 5 V and exceeds 500 mA.
- USB devices equipped with special functions such as data security functions cannot be used with the unit.
- Do not use a USB device with 2 or more partitions.
- When connecting with a USB cable, use the USB 2.0 cable.
- This unit may not recognize a USB device connected through a USB card reader.
- This unit may not play back files in a USB device properly when using a USB extension cord.
- This unit cannot assure proper functions or supply power to all types of USB devices.
- For MPEG1/2 files: The maximum bit rate for video signals (average) is 2 Mbps.

Bluetooth operations

General

- While driving, do not perform complicated operation such as dialing the numbers, using phone book, etc. When you perform these operations, stop your car in a safe place.
- Some Bluetooth devices may not be connected to this unit depending on the Bluetooth version of the device.
- This unit may not work for some Bluetooth devices.
- Connecting condition may vary depending on the circumstances around you.
- When the unit is turned off, the device is disconnected.

Warning messages for Bluetooth operations

- **ERROR CNCT** (Error Connection):
The device is registered but the connection has failed. Use "CONNECT" to connect the device again. (See page 25.)
- **ERROR**
Try the operation again. If "ERROR" appears again, check if the device supports the function you have tried.

UNFOUND

No available Bluetooth device is detected by "SEARCH."

LOADING

The unit is updating the phone book.

PLEASE WAIT

The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again (or reset the unit).

RESET 8

Check the connection between the adapter and this unit.

iPod/iPhone operations

- You can control the following types of iPods/iPhone:

(A) Connected with the USB cable:

- iPod with video (5th Generation)*1, *2, *3
- iPod classic*1, *2
- iPod nano*2, *3
- iPod nano (2nd Generation)*2
- iPod nano (3rd Generation)*1, *2
- iPod nano (4th Generation)*1, *2
- iPod Touch*1, *2
- iPod Touch (2nd Generation)*1, *2
- iPhone/iPhone 3G*1, *2

(B) Connected with the interface adapter:

- iPod with Click Wheel (4th Generation)
- iPod mini
- iPod photo
- iPod with video (5th Generation)
- iPod classic
- iPod nano
- iPod nano (2nd Generation)
- iPod nano (3rd Generation)
- iPod nano (4th Generation)*4

*1 To watch the video with its audio, connect the iPod/iPhone using USB Audio and Video cable (KS-U29, not supplied).

*2 <IPOD MODE> is available (see page 29).

*3 To listen to the sound in <IPOD MODE>, connect the iPod/iPhone using USB Audio and Video cable (KS-U29, not supplied).

*4 It is not possible to charge the battery through this unit.

Continued on the next page

- If the iPod does not play correctly, please update your iPod software to the latest version. For details about updating your iPod, visit <<http://www.apple.com>>.
- When you turn on this unit, the iPod is charged through this unit.
- The text information may not be displayed correctly.
- If the text information includes more than 11 characters, it scrolls on the display.
This unit can display up to 40 characters for “**IPOD**” and up to 128 characters for “**USB (iPod)**.”

Notice:

When operating an iPod, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site:
<<http://www.jvc.co.jp/english/car/>> (English website only)

Menu operations

- <**AUTO**> setting for <**DIMMER**> may not work correctly on some vehicles, particularly on those having a control dial for dimming.
In this case, change the <**DIMMER**> setting to any other than <**AUTO**>.
- If you change the <**AMP GAIN**> setting from <**HIGH POWER**> to <**LOW POWER**> while the volume level is set higher than “VOLUME 30,” the unit automatically changes the volume level to “VOLUME 30.”

Title assignment

- If you try to assign titles to more than 30 station frequencies, “NAME FULL” appears. Delete unwanted titles before assignment.

Disc setup menu

- When the language you have selected is not recorded on a disc, the original language is automatically used as the initial language. In addition, for some discs, the initial languages settings will not work as you set due to their internal disc programming.
- When you select “16:9” for a picture whose aspect ratio is 4:3, the picture slightly changes due to the process for converting the picture width.
- Even if “4:3 PAN SCAN” is selected, the screen size may become “4:3 LETTERBOX” for some discs.

About sounds reproduced through the rear terminals

Through the analog terminals (Speaker out/LINE OUT):

2-channel signal is emitted. When playing a multi-channel encoded disc, multi-channel signals are downmixed. (AUDIO—DOWN MIX: see page 43.)

Through DIGITAL OUT (optical):

Digital signals (Linear PCM, Dolby Digital, MPEG Audio) are emitted through this terminal. (For more details, see table on page 49.)

To reproduce multi-channel sounds such as Dolby Digital and MPEG Audio, connect an amplifier or a decoder compatible with these multi-channel sources to this terminal, and set “DIGITAL AUDIO OUTPUT” correctly. (See page 43.)

On-screen guide icons

During playback, the following guide icons may appear for a while on the monitor.

-  : Playback
-  : Pause
-  : DVD-Video/DVD-VR/VCD: Forward slow motion
-  : DVD-Video: Reverse slow motion
-  : Forward search
-  : Reverse search

DVD: The following icons appear at the beginning of a scene containing:

-  : Multi-subtitle languages
-  : Multi-audio languages
-  : Multi-angle views

Output signals through the DIGITAL OUT terminal

Output signals are different depending on the "DIGITAL AUDIO OUTPUT" setting on the setup menu (see page 43).

Playback Disc		Output Signal				
		STREAM/PCM	DOLBY DIGITAL/ PCM		PCM ONLY	OFF
DVD-Video	48 kHz, 16/20/24 bits Linear PCM	48 kHz, 16 bits stereo Linear PCM *				OFF
	96 kHz, Linear PCM	48 kHz, 16 bits stereo Linear PCM				
	Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bits stereo Linear PCM		
	MPEG Audio	MPEG bitstream	48 kHz, 16 bits stereo Linear PCM			
Audio CD, Video CD		44.1 kHz, 16 bits stereo Linear PCM / 48 kHz, 16 bits stereo Linear PCM				
DivX	Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bits stereo Linear PCM		
	MPEG Audio	32/44.1/48 kHz, 16 bits Linear PCM				
MPEG		44.1/48 kHz, 16 bits Linear PCM				
MP3/WMA		32/44.1/48 kHz, 16 bits Linear PCM				
WAV		44.1 kHz, 16 bits stereo Linear PCM				

* Digital signals may be emitted at 20 or 24 bits (at their original bit rate) through the DIGITAL OUT terminal if the discs are not copy-protected.

Continued on the next page

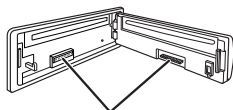
Language codes

Code	Language	Code	Language	Code	Language	Code	Language	Code	Language
AA	Afar	FA	Persian	KK	Kazakh	NO	Norwegian	ST	Sesotho
AB	Abkhazian	FI	Finnish	KL	Greenlandic	OC	Occitan	SU	Sundanese
AF	Afrikaans	FJ	Fiji	KM	Cambodian	OM	(Afan) Oromo	SW	Swahili
AM	Ameharic	FO	Faroese	KN	Kannada	OR	Oriya	TA	Tamil
AR	Arabic	FY	Frisian	KO	Korean (KOR)	PA	Panjabi	TE	Telugu
AS	Assamese	GA	Irish	KS	Kashmiri	PL	Polish	TG	Tajik
AY	Aymara	GD	Scots Gaelic	KU	Kurdish	PS	Pashto, Pushto	TH	Thai
AZ	Azerbaijani	GL	Galician	KY	Kirghiz	QU	Quechua	TI	Tigrinya
BA	Bashkir	GN	Guarani	LA	Latin	RM	Rhaeto-Romance	TK	Turkmen
BE	Byelorussian	GU	Gujarati	LN	Lingala	RN	Kirundi	TL	Tagalog
BG	Bulgarian	HA	Hausa	LO	Laothian	RO	Rumanian	TN	Setswana
BH	Bihari	HI	Hindi	LT	Lithuanian	RW	Kinyarwanda	TO	Tonga
BI	Bislama	HR	Croatian	LV	Latvian, Lettish	SA	Sanskrit	TR	Turkish
BN	Bengali, Bangla	HU	Hungarian	MG	Malagasy	SD	Sindhi	TS	Tsonga
BO	Tibetan	HY	Armenian	MI	Maori	SG	Sangho	TT	Tatar
BR	Breton	IA	Interlingua	MK	Macedonian	SH	Serbo-Croatian	TW	Twí
CA	Catalan	IE	Interlingue	ML	Malayalam	SI	Singhalese	UK	Ukrainian
CO	Corsican	IK	Inupiak	MN	Mongolian	SK	Slovak	UR	Urdu
CS	Czech	IN	Indonesian	MO	Moldavian	SL	Slovenian	UZ	Uzbek
CY	Welsh	IS	Icelandic	MR	Marathi	SM	Samoan	VI	Vietnamese
DZ	Bhutani	IW	Hebrew	MS	Malay (MAY)	SN	Shona	VO	Volapuk
EL	Greek	JA	Japanese	MT	Maltese	SO	Somali	WO	Wolof
EO	Esperanto	JI	Yiddish	MY	Burmese	SQ	Albanian	XH	Xhosa
ET	Estonian	JW	Javanese	NA	Nauru	SR	Serbian	YO	Yoruba
EU	Basque	KA	Georgian	NE	Nepali	SS	Siswati	ZU	Zulu

Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture has evaporated.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

Center holder



- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc in its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs in cases after use.

To keep discs clean

A dirty disc may not play correctly.

If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvents (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

Single CD (8 cm disc)



Warped disc



Sticker and sticker residue



Stick-on label



Unusual shape



C-thru Disc (semi-transparent disc)



Transparent or semi-transparent parts on its recording area



Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptom	Remedy/Cause
General	• Sound cannot be heard from the speakers.	• Adjust the volume to the optimum level. • Check the cords and connections.
	• The unit does not work at all.	Reset the unit (see page 3).
	• "EXT IN" and "AV IN" cannot be selected.	Check the <SRC SELECT> → <EXT IN> or <AV IN> setting (see page 39).
FM/AM	• SSM automatic presetting does not work.	Store stations manually.
	• Static noise while listening to the radio.	Connect the antenna firmly.
	• "AM" cannot be selected.	Check the <SRC SELECT> → <AM> setting (see page 39).
Discs in general	• Disc cannot be played back.	Insert the disc correctly.
	• Disc can be neither played back nor ejected.	• Unlock the disc (see page 13). • Eject the disc forcibly (see page 3).
	• Recordable/Rewritable discs cannot be played back.	• Insert a finalized disc.
	• Tracks on the Recordable/Rewritable discs cannot be skipped.	• Finalize the discs with the component which you have used for recording.
	• Disc cannot be recognized.	Eject the disc forcibly (see page 3).
	• Sound and pictures are sometimes interrupted or distorted.	• Stop playback while driving on rough roads. • Change the disc. • Check the cords and connections.
	• No playback picture (DVD-Video/DVD-VR/DivX/MPEG/VCD) appears on the monitor.	Parking brake wire is not connected properly. (See Installation/Connection Manual.)
	• No picture appears on the monitor at all.	• Connect the video cord correctly. • Select a correct input on the monitor.
	• The monitor shows black and white wavy pictures (DVD-Video/DVD-VR/DivX/MPEG/VCD).	Select an appropriate video format (PAL/NTSC) for your monitor (see page 38).
	• The left and right edges of the picture are missing on the monitor.	Select "4:3 LETTERBOX" (see page 42).
	• "NO DISC" appears on the display.	Insert a playable disc into the loading slot.

	Symptom	Remedy/Cause
DivX/MPEG Video/MP3/WMA/WAV	Disc cannot be played back.	- Change the disc. - Record the tracks using a compliant application in the appropriate discs (see page 4). - Add the extension code <.divx>, <.div>, <.avi>, <.mpg>, <.mpeg>, <.mp3>, <.wma>, or <.wav> to the file names.
	Noise is generated.	Skip to another track or change the disc.
	Tracks cannot play back as you have intended them to play.	Playback order is determined when files are recorded.
	Longer readout time is required.	Readout time varies due to the complexity of the folder/file configuration. Do not use too many hierarchies and folders.
	No sound can be heard when picture is displayed while playing a DivX/MPEG Video file.	- Record the audio track using MP3 or Dolby Digital as the audio stream of DivX files. - Record the audio track using MPEG1 Audio Layer 2 as the audio stream for MPEG Video files.
	Elapsed playing time is not correct.	This sometimes occurs during playback. This is caused by how the tracks are recorded.
	"PLEASE" and "EJECT" appear alternately on the display.	Insert a disc that contains tracks of appropriate formats.
USB device playback	Correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols. (See page 41.)
	Noise is generated.	The track played back is not an MP3/WMA/WAV track. Skip to another file. (Do not add the extension code <.mp3>, <.wma>, or <.wav> to non-MP3/WMA/WAV tracks.)
	"READING" keeps flashing on the display.	- Readout time varies depending on the USB device. - Do not use too many hierarchy or folders. - Turn off the power then on again. - Do not pull out or connect the USB device repeatedly while "READING" is displayed on the display.
	"NO FILE" appears on the display.	Selected folder is an empty folder* ¹ . Select another folder that contains MP3/WMA/WAV tracks.

*¹ Folder that is physically empty or folder that contains data but does not contain valid MP3/WMA/WAV track.

	Symptom	Remedy/Cause
USB device playback	Tracks/folders are not played back in the order you have intended.	The playback order is determined by the write-in time stamp. The first track/folder written into the USB device will be the first track/folder for playback.
	"CANNOT PLAY" appears on the display. "NO USB" appears on the display. - The unit cannot detect the USB device.	- Connect a USB device that contains tracks encoded in an appropriate format. - Connect the USB device again.
	"NOT SUPPORT" appears on the display and track skips.	Check whether the track is a playable file format.
	"READ FAILED" appears on the display.	The connected USB device may be malfunctioning, or may not have been formatted correctly. The files included in the USB device are corrupted.
	Correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols. (See page 41.)
	While playing a track, sound is sometimes interrupted.	The tracks have not been properly copied into the USB device. Copy tracks again into the USB device, and try again.
Bluetooth*2	Bluetooth device does not detect the unit.	The unit can be connected with one Bluetooth cellular phone and one Bluetooth audio device at a time. While connecting a device, this unit cannot be detected from another device. Disconnect currently connected device and search again.
	The unit does not detect the Bluetooth device.	- Check the Bluetooth setting of the device. - Search from the Bluetooth device. After the device detects the unit, select "OPEN" on the unit to connect the device. (See page 24.)
	The unit does not make pairing with the Bluetooth device.	- Enter the same PIN code for both the unit and target device. - Select the device name from "SPECIAL," then try to connect again. (See page 25.) - Try to pair/connect from the Bluetooth device.
	Echo or noise occurs.	Adjust the microphone unit's position.
	Phone sound quality is poor.	- Reduce the distance between the unit and the Bluetooth cellular phone. - Move the car to a place where you can get a better signal reception.

*2 For Bluetooth operations, refer also to the instructions supplied with the Bluetooth Adapter.

	Symptoms	Remedies/Causes
Bluetooth*2	The sound is interrupted or skipped during playback of a Bluetooth audio player.	- Reduce the distance between the unit and the Bluetooth audio player. - Disconnect the device connected for "BT-PHONE." - Turn off, then turn on the unit. - Connect the player again, when the sound is not yet restored.
	The connected audio player cannot be controlled.	Check whether the connected audio player supports AVRCP (Audio/Video Remote Control Profile). (Operations depend on the connected audio player.)
CD changer	"NO DISC" appears on the display.	Insert a disc into the magazine.
	"NO MAGAZINE" appears on the display.	Insert the magazine.
	"RESET 8" appears on the display.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	"RESET 1" – "RESET 7" appears on the display.	Press the reset button of the CD changer.
	The CD changer does not work at all.	Reset the unit (see page 3).
iPod/iPhone	The iPod does not turn on or does not work.	- Check the connecting cable and its connection. - Update the firmware version of the iPod/iPhone. - Charge the battery of the iPod/iPhone. - Reset the iPod/iPhone. - Check whether <IPOD SWITCH> setting is appropriate (see page 39).
	The sound is distorted.	Deactivate the equalizer either on this unit or the iPod/iPhone.
	No sound can be heard in <IPOD MODE>.	Check whether <IPOD SWITCH> setting is appropriate (see pages 39 and 47).
	Playback stops.	The headphones are disconnected during playback. Restart the playback operation (see page 30).
	"CANNOT PLAY" appears on the display.	No tracks are stored. Import tracks to the iPod/iPhone.
	"RESTRICTED" appears on the display.	Check whether the connected iPod/iPhone is compatible with this unit (see page 47).

Continued on the next page

Symptoms		Remedies/Causes	
iPod/iPhone	Only when connecting with the interface adapter	• “NO FILES” appears on the display.	No tracks are stored. Import tracks to the iPod.
		• The iPod’s controls do not work after disconnecting from this unit.	Reset the iPod.
		• “NO IPOD” appears on the display.	• Check the connecting cable and its connection. • Charge the battery.
		• No sound can be heard when connecting an iPod nano.	• Disconnect the headphones from the iPod nano. • Update the firmware version of the iPod nano.
		• “RESET 1” – “RESET 7” appears on the display.	Disconnect the adapter from both this unit and iPod. Then, connect it again.
		• “RESET 8” appears on the display.	Check the connection between the adapter and this unit.

JVC bears no responsibility for any loss of data in an iPod/iPhone and/or USB mass storage class device while using this System.

- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
- "DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation registered in the US, Japan and other countries.
- DivX® is a registered trademark of DivX, Inc., and is used under license.
- Plays DivX® video:
- ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified or DivX Ultra Certified device that plays DivX video.
- ABOUT DIVX VIDEO-ON-DEMAND: This DivX® Certified device must be registered in order to play DivX Video-on-Demand (VOD) content. First generate the DivX VOD registration code for your device and submit it during the registration process. [Important: DivX VOD content is protected by a DivX DRM (Digital Rights Management) system that restricts playback to registered DivX Certified devices. If you try to play DivX VOD content not authorized for your device, the message "Authorization Error" will be displayed and your content will not play.] Learn more at www.divx.com/vod.
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- The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Victor Company of Japan, Limited (JVC) is under license. Other trademarks and trade names are those of their respective owners.
- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
- "Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- iPhone is a trademark of Apple Inc.
- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Specifications

AUDIO AMPLIFIER SECTION	Maximum Power Output:	Front/Rear:	50 W per channel
	Continuous Power Output (RMS):	Front/Rear:	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion
	Load Impedance:		4 Ω (4 Ω to 8 Ω allowance)
	Tone Control Range:	Bass:	± 12 dB (60 Hz, 80 Hz, 100 Hz, 120 Hz) Q0.5, Q1.0, Q1.5, Q2.0
		Middle:	± 12 dB (0.5 kHz, 1.0 kHz, 1.5 kHz, 2.5 kHz) Q0.75, Q1.0, Q1.25, Q1.5
		Treble:	± 12 dB (7.5 kHz, 10.0 kHz, 12.5 kHz, 15.0 kHz) Q0.75, Q1.25
	Signal-to-Noise Ratio:		80 dB
	Audio Output Level:	Digital (DIGITAL OUT: Optical):	Signal wave length: 660 nm Output level: -21 dBm to -15 dBm
		Line-Out Level/Impedance:	2.5 V/20 k Ω load (full scale)
		Output Impedance:	1 k Ω
	Color System:		PAL/NTSC
	Video Output (composite):		1 V _{p-p} /75 Ω
	Other Terminal:	USB input terminal, AV (audio/video) input jack, CD changer jack, LINE IN plugs	
TUNER SECTION	Frequency Range:	FM:	87.5 MHz to 108.0 MHz
		AM:	531 kHz to 1 602 kHz
	FM Tuner:	Usable Sensitivity:	9.3 dBf (0.8 μ V/75 Ω)
		50 dB Quieting Sensitivity:	16.3 dBf (1.8 μ V/75 Ω)
		Alternate Channel Selectivity (400 kHz):	65 dB
		Frequency Response:	40 Hz to 15 000 Hz
		Stereo Separation:	40 dB
	AM Tuner:	Sensitivity:	20 μ V
		Selectivity:	40 dB

DVD/CD PLAYER SECTION	Signal Detection System:		Non-contact optical pickup (semiconductor laser)
	Number of Channels:		2 channels (stereo)
	Frequency Response:	DVD, fs=48 kHz/96 kHz:	16 Hz to 22 000 Hz
		CD, fs=44.1 kHz:	16 Hz to 20 000 Hz
	Dynamic Range:		96 dB
	Signal-to-Noise Ratio:		98 dB
	Wow and Flutter:		Less than measurable limit
	DivX/MPEG Video:	Video:	Max. Resolution:
			720 × 480 pixels (30 fps) 720 × 576 pixels (25 fps)
		Audio:	Bit Rate:
			32 kbps – 320 kbps
		Sampling Frequency: DivX:	MPEG-1: 32 kHz, 44.1 kHz, 48 kHz MPEG-2: 16 kHz, 22.05 kHz, 24 kHz
			Sampling Frequency: MPEG Video:
			32 kHz, 44.1 kHz, 48 kHz
	MP3:	Bit Rate:	32 kbps – 320 kbps
		Sampling Frequency:	MPEG-1: 32 kHz, 44.1 kHz, 48 kHz MPEG-2: 16 kHz, 22.05 kHz, 24 kHz

USB SECTION	USB Standard:		USB 1.1, USB 2.0
	Data Transfer Rate (Full Speed):		Max. 12 Mbps
	Compatible Device:		Mass storage class
	Compatible File System:		FAT 32/16/12
	Playable Audio Format:		MPEG1/MPEG2/MP3/WMA/WAV
	Max. Current:		DC 5 V --- 500 mA

GENERAL	Power Requirement:	Operating Voltage:	DC 14.4 V (11 V to 16 V allowance)
	Grounding System:		Negative ground
	Allowable Operating Temperature:		0°C to +40°C
	Dimensions (W × H × D):	Installation Size (approx.):	182 mm × 52 mm × 159 mm
		Panel Size (approx.):	188 mm × 58 mm × 6 mm
	Mass (approx.):		1.4 kg (excluding accessories)

Design and specifications are subject to change without notice.

Having TROUBLE with operation?
Please reset your unit

Refer to page of How to reset your unit

JVC



EN

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[Downloaded from Radio-Manual.com](http://Radio-Manual.com) Manuals

0209DTSMDTJEIN

JVC KD-DV5506/KD-DV5505/ KD-DV5504

Installation/Connection Manual

GET0606-008A
[A/UI]

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

WARNINGS

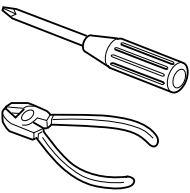
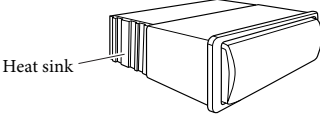
- **DO NOT install any unit or wire any cable in a location where;**
 - it may obstruct the steering wheel and gearshift lever operations.
 - it may obstruct the operation of safety devices such as air bags.
 - it may obstruct visibility.
- **DO NOT operate the unit while driving.**
- **If you need to operate the unit while driving, be sure to look around carefully.**
- **The driver must not watch the monitor while driving.**
- **If the parking brake is not engaged, "DRIVER MUST NOT WATCH THE MONITOR WHILE DRIVING." appears on the monitor, and no playback picture will be shown.**
 - This warning appears only when the parking brake lead is connected to the parking brake system built in the car.

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

- **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect speakers with a maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change <AMP GAIN> setting to prevent the speakers from being damaged (see page 39 of the INSTRUCTIONS).
- To prevent short circuits, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



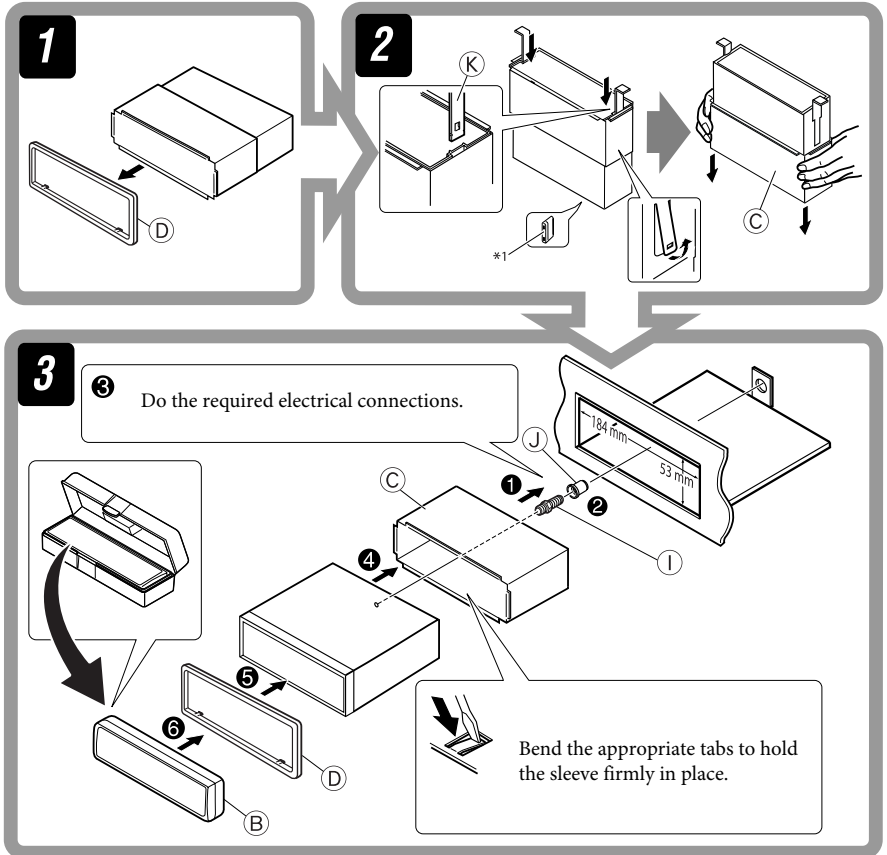
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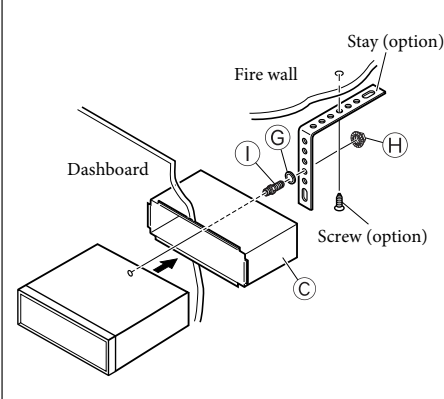
INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

- If you are not sure how to install this unit correctly, have it installed by a qualified technician.



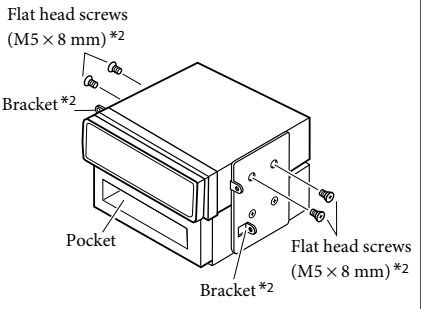
When using the optional stay



Install the unit at an angle of less than 30°.

When installing the unit without using the sleeve

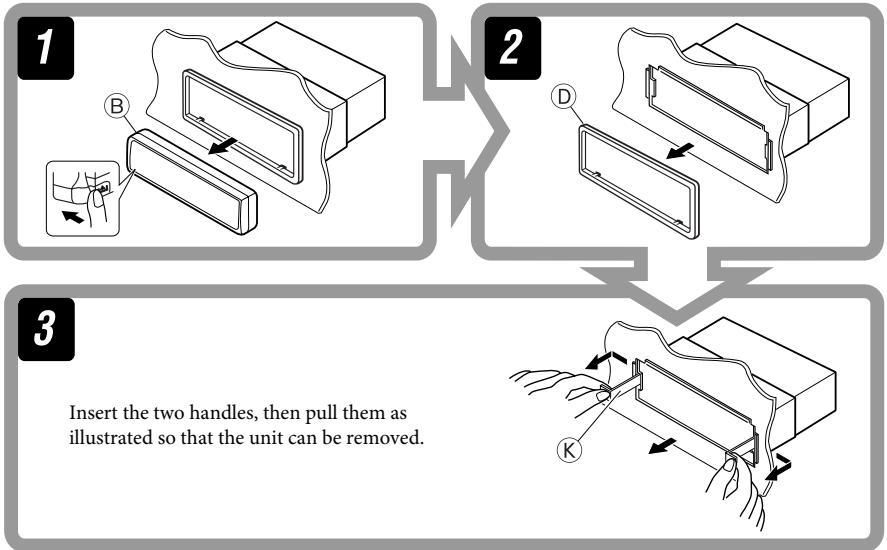
In a Toyota car for example, first remove the car radio and install the unit in its place.



Note:
When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.

Removing the unit

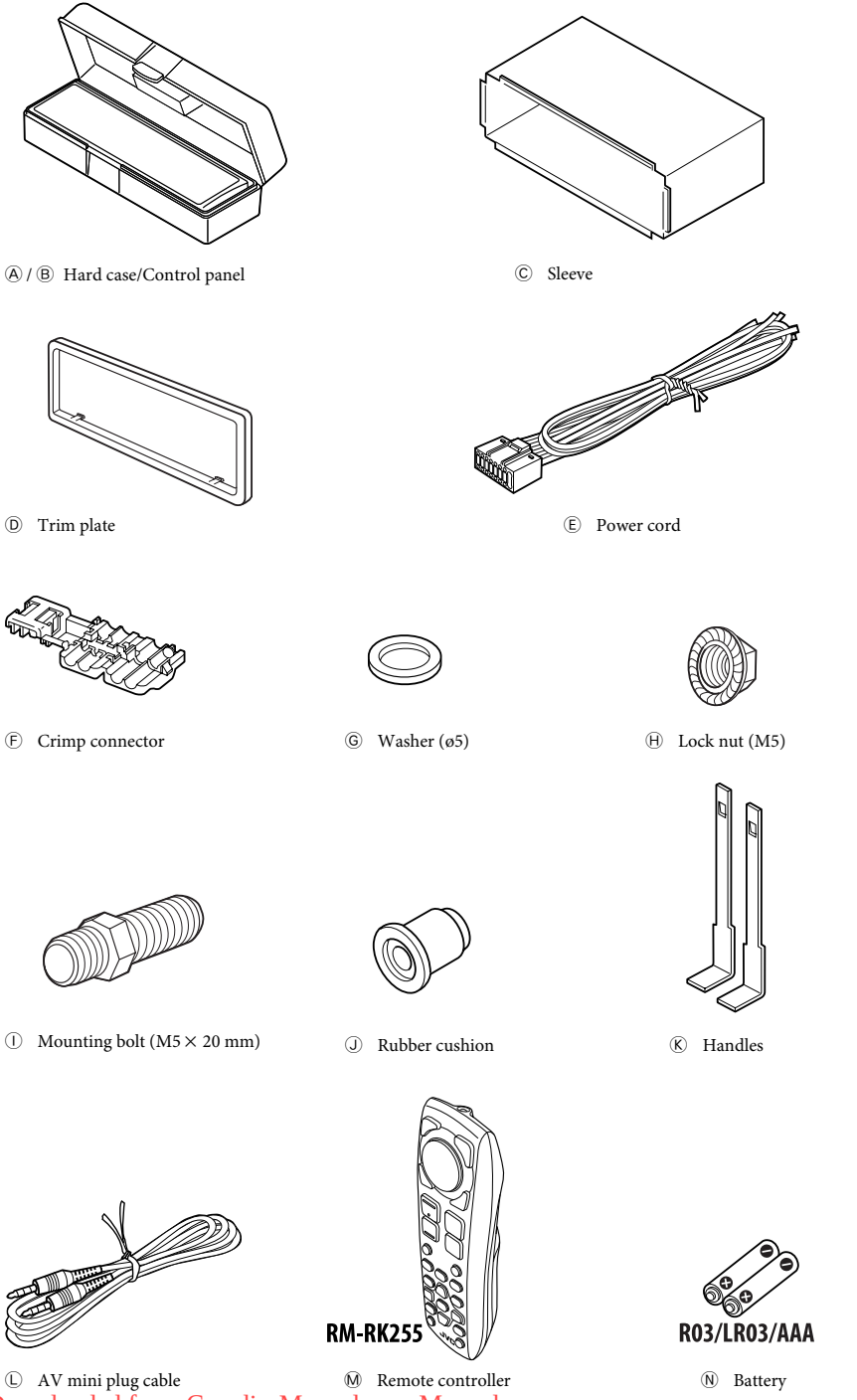
Before removing the unit, release the rear section.



- *1 When you stand the unit, be careful not to damage the fuse on the rear.
- *2 Not supplied for this unit.

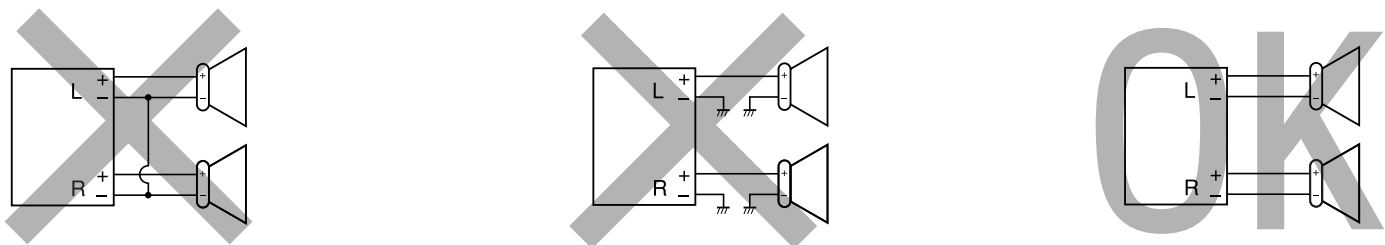
Parts list for installation and connection

If any item is missing, consult your JVC car audio dealer immediately.



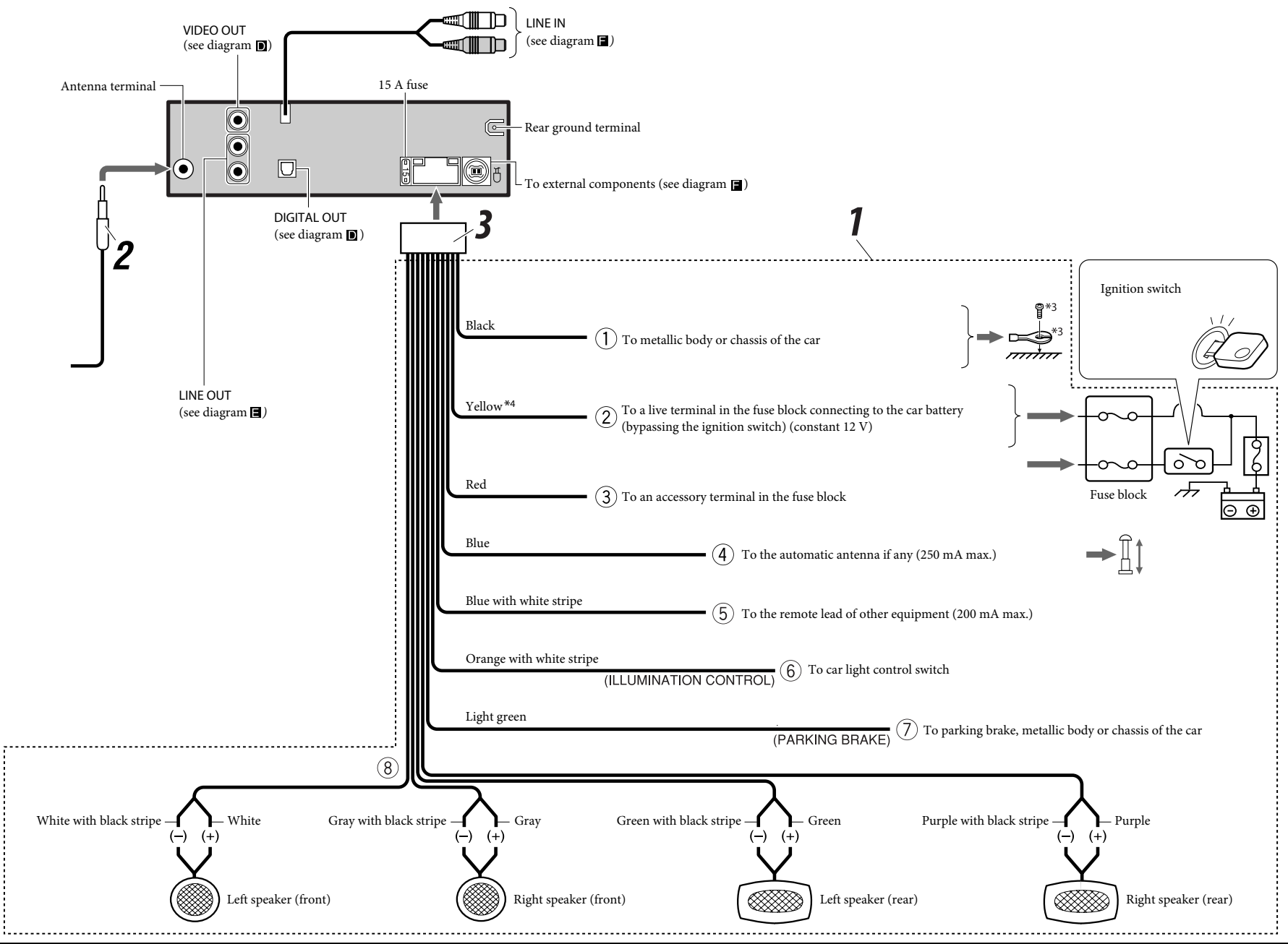
ELECTRICAL CONNECTIONS

- PRECAUTIONS on power supply and speaker connections:**
- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
 - BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.



A Typical connections

- Before connecting:** Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.
- 1** Connect the colored leads of the power cord in the order specified in the illustration below.
 - 2** Connect the antenna cord.
 - 3** Finally connect the wiring harness to the unit.



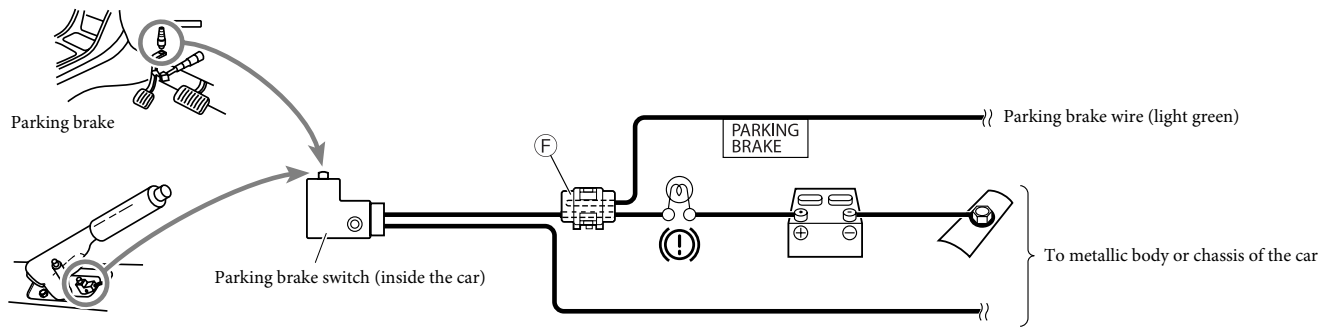
*3 Not supplied for this unit.
*4 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise power cannot be turned on.

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

B Connecting the parking brake wire

When installing the monitor in a location where it can be seen by the driver
Connect the parking brake wire to the parking brake system built in the car.



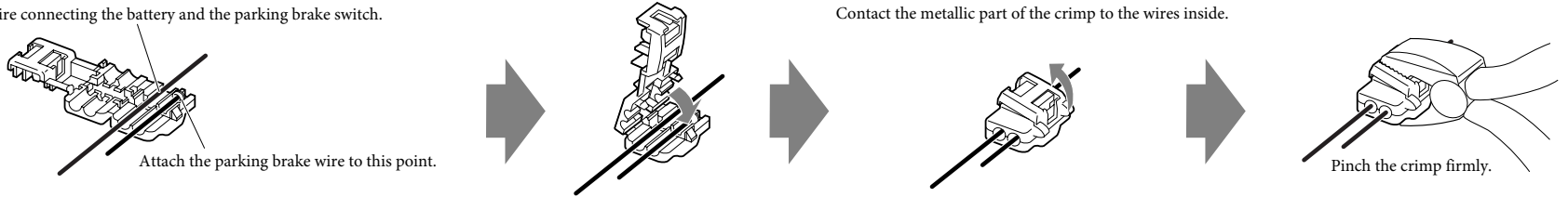
When installing the monitor in a location where it cannot be seen by the driver
Connect the parking brake wire to metallic body or chassis of the car.



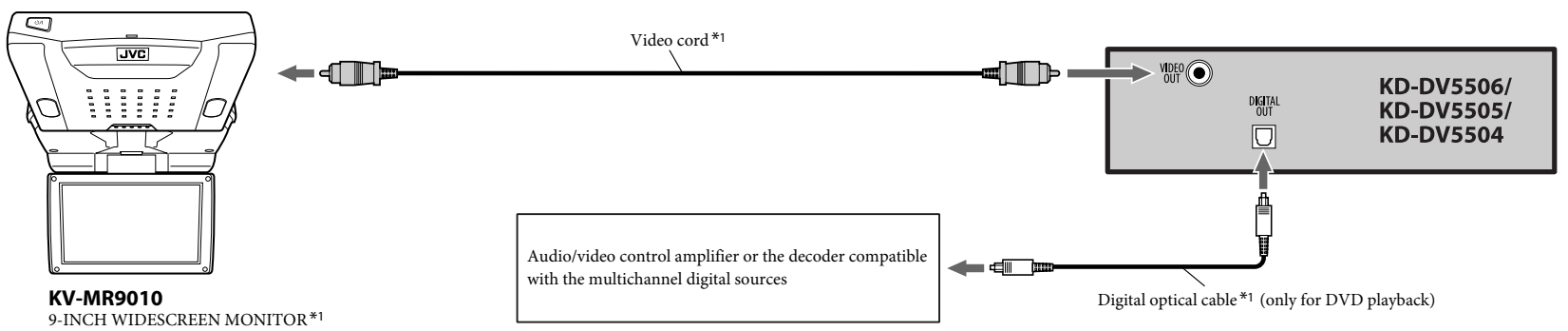
C Connecting the crimp connector

Wire connecting the battery and the parking brake switch.

Contact the metallic part of the crimp to the wires inside.



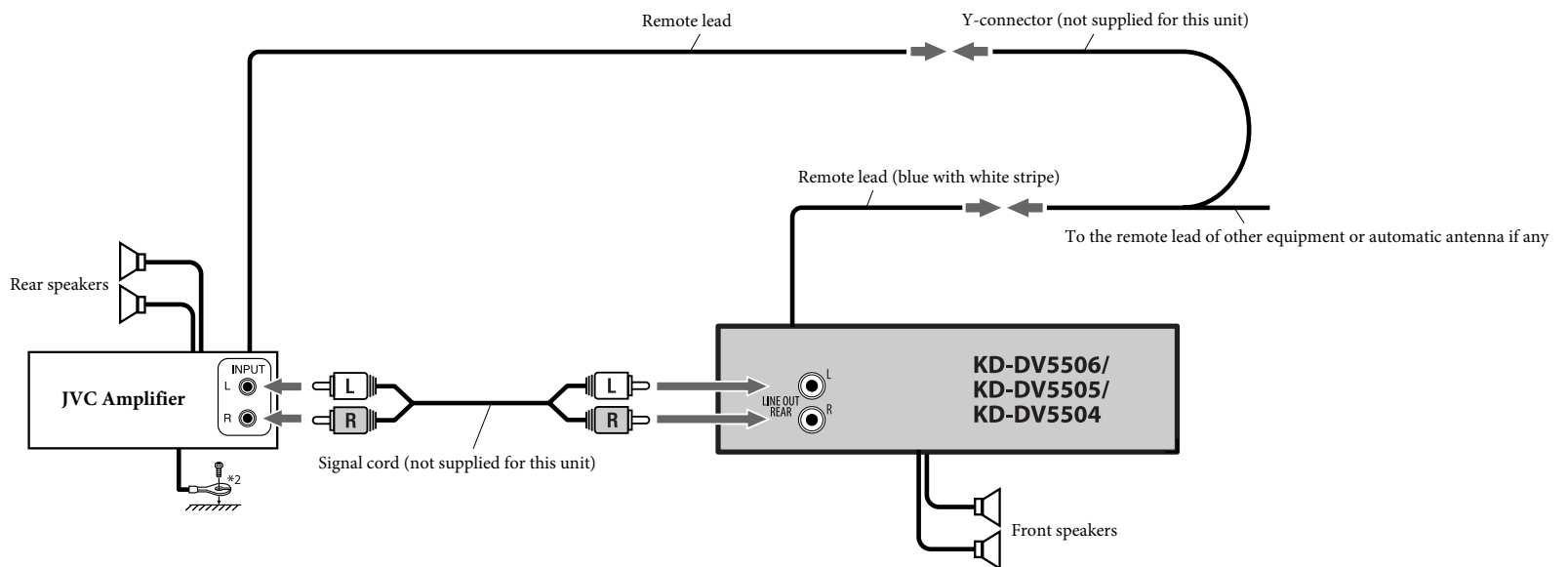
D Required connections for video playback



E Connecting the external amplifier

You can connect an amplifier to upgrade your car stereo system.

- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**



*1 Not supplied for this unit.

*2 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

F Connecting the external components

When connecting the external components, refer also to the manuals supplied for the components and adapters.

CAUTION:

Before connecting the external components, make sure that the unit is turned off.

You can connect the following JVC components to the CD changer jack.

JVC component	Model name
CD changer (CD-CH)	CH-X1500, etc.

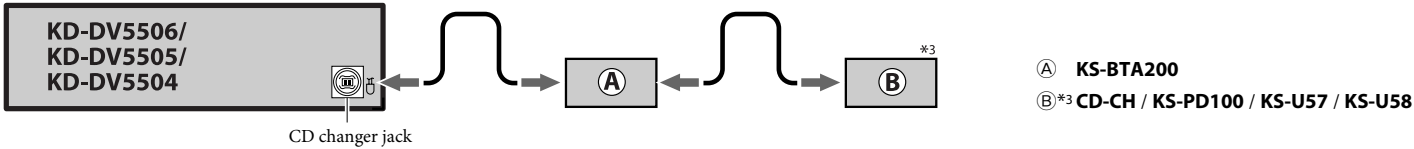
You can also connect the following components through the various JVC adapters.

- Connection cords may need to be purchased separately.

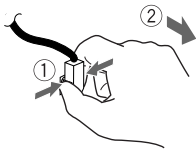
Component	Adapter	Model name
Bluetooth device	Bluetooth adapter	KS-BTA200
iPod	Interface adapter for iPod	KS-PD100
Portable audio player with line output jacks	Line input adapter	KS-U57
Portable audio player with 3.5 mm stereo mini jack	AUX input adapter	KS-U58

When connecting more than one component (maximum: two), it is recommended that you connect the components in series as explained below.

When connecting two components in series



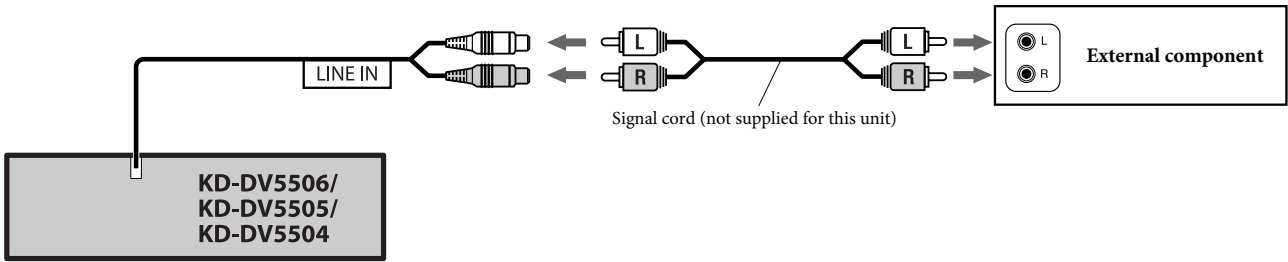
To disconnect the connector



Hold the connector tightly (①), then pull it out (②).

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

You can also connect an external component to the LINE IN plugs of the unit using a signal cord (not supplied).



*3 To use these components, set the external input setting correctly (see page 39 of the INSTRUCTIONS).